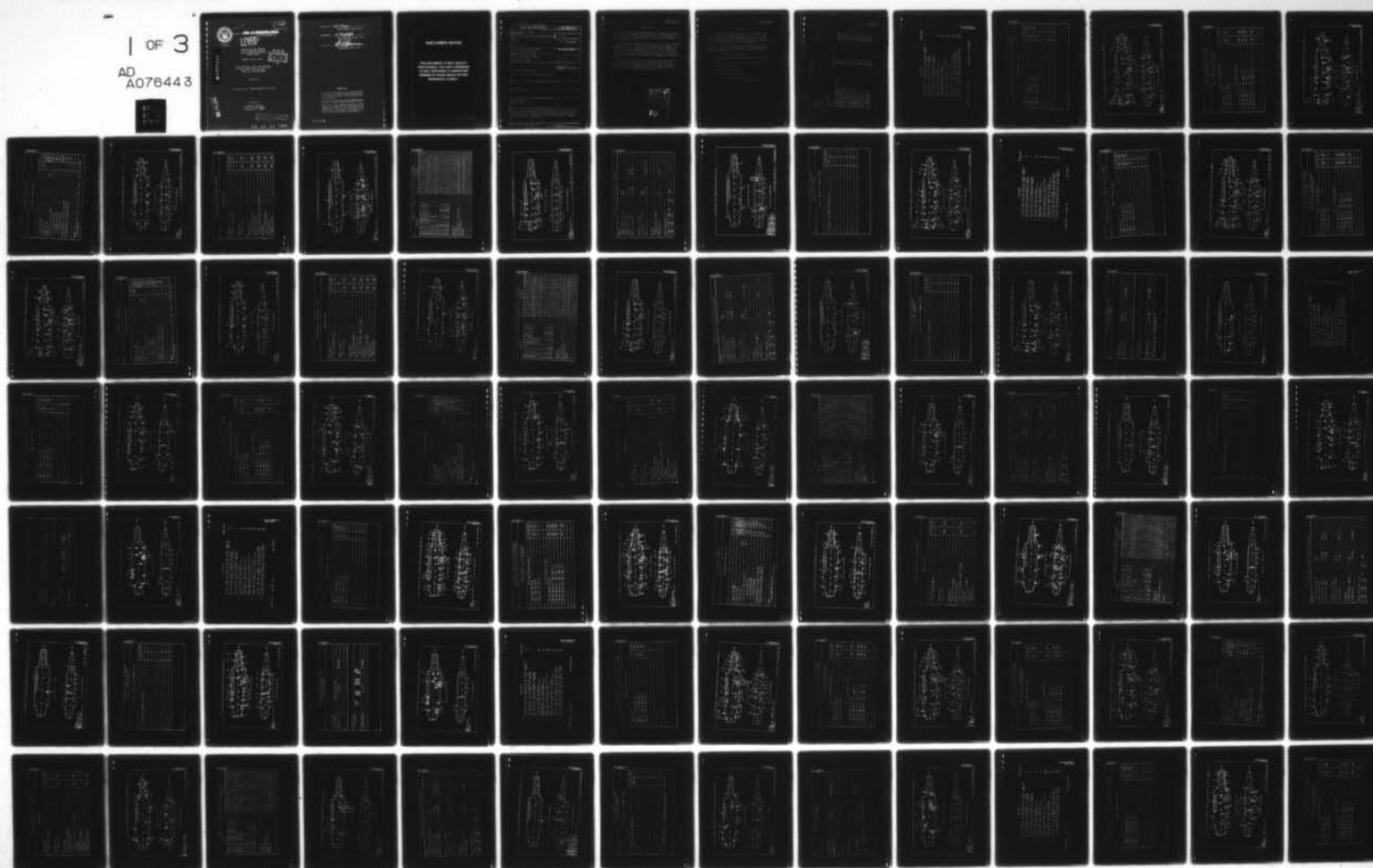


AD-A076 443 NAVAL AIR ENGINEERING CENTER LAKEHURST NJ ENGINEERING--ETC F/G 1/3
COMPILATION OF DATA COVERING AIRCRAFT SERVICING FACILITIES ABOA--ETC(U)
OCT 79 M A STRANO
UNCLASSIFIED NAEC-ENG-6703-REV-15

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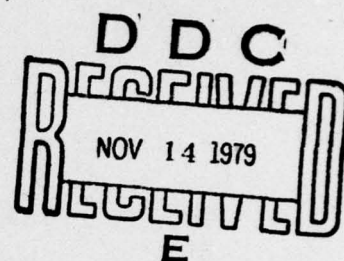
NAVAL AIR ENGINEERING CENTER

REPORT NAEC-ENG-6703

LEVEL

COMPILATION OF DATA COVERING
AIRCRAFT SERVICING FACILITIES
ABOARD AVIATION AND AMPHIBIOUS
AVIATION SHIPS

REVISED - SEE BACK COVER



✓ Ship Installations Engineering Department
Aircraft, Weapons, Ship, and VLA Division
Naval Air Engineering Center
Lakehurst, New Jersey 08733

29 July 1960

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Prepared for

Commander (AIR-551)
Naval Air Systems Command
Washington, DC 20361

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a compilation of data covering aircraft servicing facilities aboard aviation and amphibious aviation ships. Data is furnished on aircraft servicing facilities relating to fueling and defueling, electrical starting and servicing, oxygen and nitrogen, aircraft inertial alignment, compressed air, and cooling and starting air.		

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I. INTRODUCTION

A. Military research and development create changes and innovations in military weapon systems concepts. The application of these changes and innovations tends to create many problems that must be resolved as quickly as possible to maintain optimum military effectiveness.

The aviation and amphibious aviation ships ability to perform its mission is dependent, to a high degree, on its capacity to effectively maintain and service its aircraft complement. To keep the aircraft in combat-ready condition and to enable the ship to efficiently perform its mission, it must be equipped with effective aircraft servicing facilities. These facilities are fueling and defueling, electrical starting and servicing, oxygen and nitrogen, aircraft inertial alignment and compressed air service.

B. To permit the user to better understand the complexity of the aircraft servicing systems found aboard aviation and amphibious aviation ships and to determine their effectiveness, a compilation of informative data was made and is presented herein. This compilation is based upon on-board surveys of these ships by NAVAIRENGCEN (SI) personnel.

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II. SUMMARY

A. All data presented in this report is a result of the implementation of a computer graphics system. Utilizing this system allows for a more efficient means of storing and generating this data. Changes to the report can be made with less difficulty and be forwarded expediently while maintaining a high level of cost effectiveness.

B. This report has been organized to devote an individual chapter for each ship. Each chapter contains applicable tabular data with flight and hangar deck layouts in the following categories:

1. 400 Hz aircraft electrical service
2. 28.5 VDC aircraft start/service and 440 VAC support equipment service
3. Aviation fuel/defuel service (AV/GAS and JP-5)
4. Compressed air service
5. Combat readiness stations
6. Oxygen and Nitrogen service
7. Aircraft inertial alignment service
8. Aircraft starting and cooling air service

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USS NIMITZ (CV(N) 68)	Aug 79
USS JOHN F. KENNEDY (CV 67)	Sep 76
USS AMERICA (CV 66)	Oct 75
USS ENTERPRISE (CV(N) 65)	Aug 74
USS CONSTELLATION (CV 64)	Aug 78
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LATEST CHECK - JULY 1979

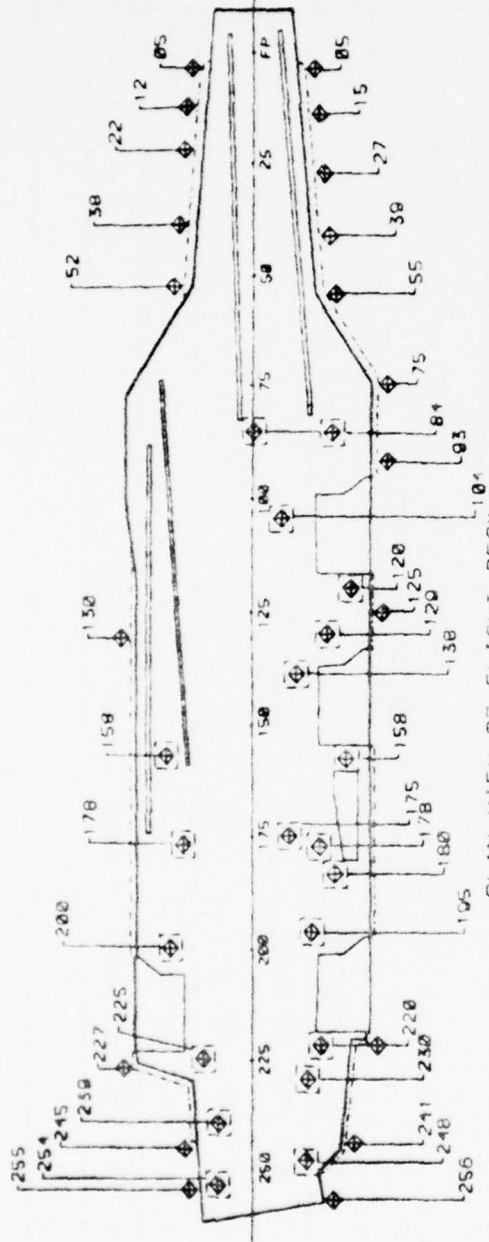
USS DWIGHT D EISENHOWER

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

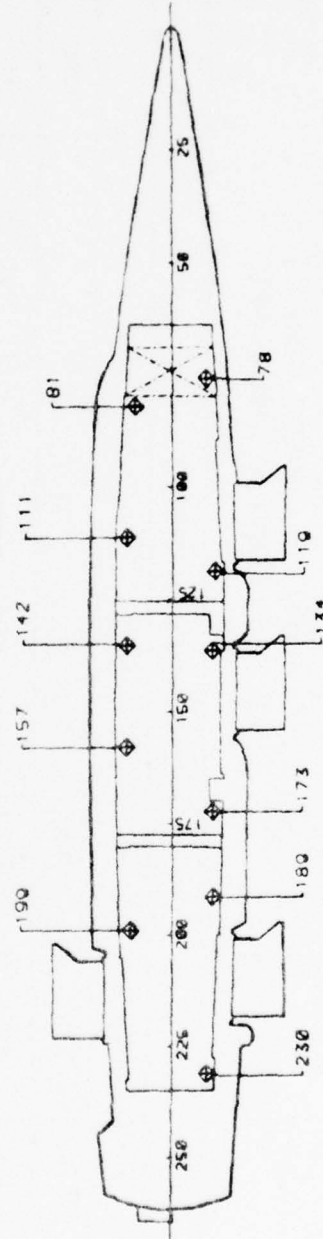
400HZ AIRCRAFT SERVICE

SERVICE OUTLETS	FLT DK	HCR DK
1 400Hz, 3PH, 115/200 VAC, 30KVA, Type I	NONE	NONE
2 400Hz, 3PH, 115/200 VAC, 30KVA, Type III	NONE	NONE
3 400Hz, 3PH, 115/200 VAC, 60KVA, Type I	NONE	NONE
4 400Hz, 3PH, 115/200 VAC, 60KVA, Type III	40	11

CV(N)-69 AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



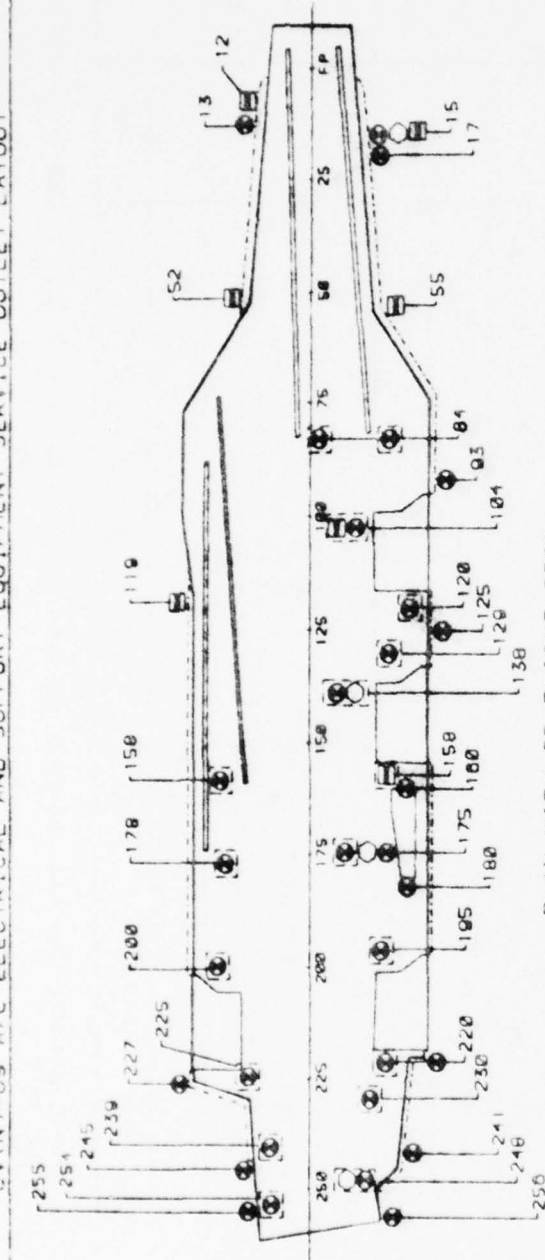
PLAN VIEW OF HANGAR DECK

LEGEND
 ◆ 400HZ, 3PH, 115/200VAC, 0.2KVA, TYPE III
 □ RECESSED

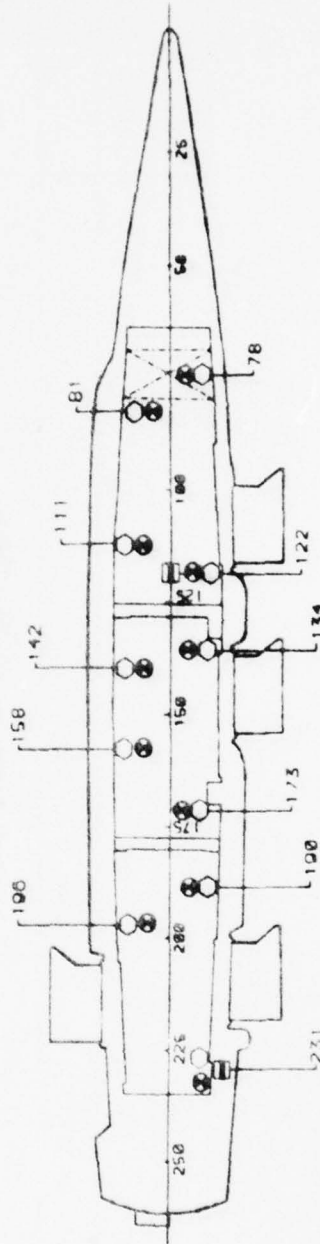
CV(N)-69 DWIGHT D EISENHOWER

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY				
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START				
440 VAC SUPPORT EQUIPMENT SERVICE				
1	440 VAC 60HZ, 3PH, 25 AMP		4	11
2	440 VAC, 60HZ, 3PH, 60 AMP		NONE	NONE
3	440 VAC, 60HZ, 3PH, 100 AMP		31	11
28 5 VDC A/C SERVICE AND START				
1	28 5 VDC, 200 AMP CONTINUOUS		NONE	NONE
2	28 5 VDC, 300 AMP CONT, 600 TO 900 A INTER		NONE	NONE
3	28 5 VDC, 600 AMP CONT, 600 TO 900 A INTER		NONE	NONE
4	28 5 VDC, 300 AMP CONT, 650 TO 1000 A INTER		7	2
5	28 5 VDC, 650 AMP CONT, 650 TO 1000 A INTER		NONE	NONE

CV(N)-69 A/C ELECTRICAL AND SUPPORT EQUIPMENT SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- 440VAC, 60HZ, 3PH, 25AMP
 - 440VAC, 60HZ, 3PH, 100AMP
 - ⊗ 28 5VDC, 300AMP CONT, 650-1000A INTER
 - ⌈ RECESSED

CV(N)-69 USS DWIGHT D EISENHOWER

AVIATION FUEL SERVICE

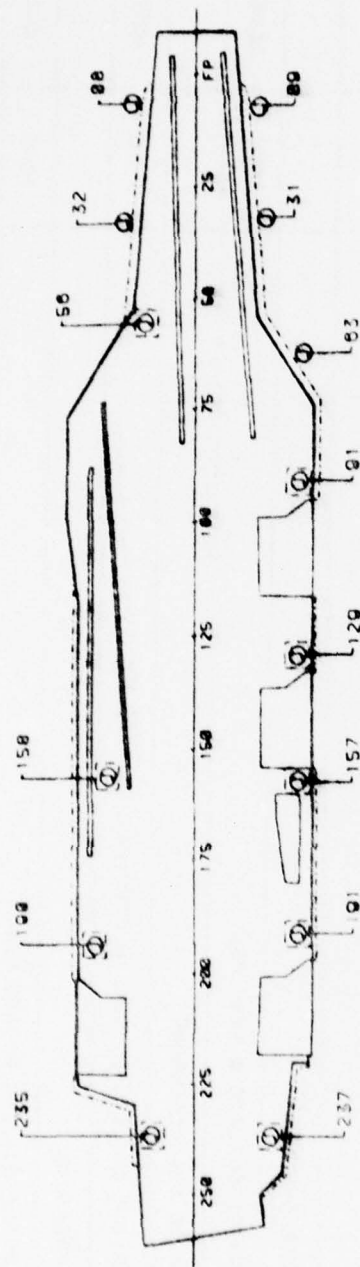
AVIATION GASOLINE AND JP-5

	AV/GAS	JP-5
1 CAPACITY GAL 95%	NONE	3,445,804
2 SERVICE OUTLETS		FLT DK 14 HGR DK 6
3 HOSES PER OUTLET	NOTE 1	FLT DK 2 HGR DK 2
4 SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 2	200/40
a TWO OUTLETS OPERATING		200/40
b FOUR OUTLETS OPERATING		200/40
c SIX OUTLETS OPERATING		200/40
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM		100
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM		50

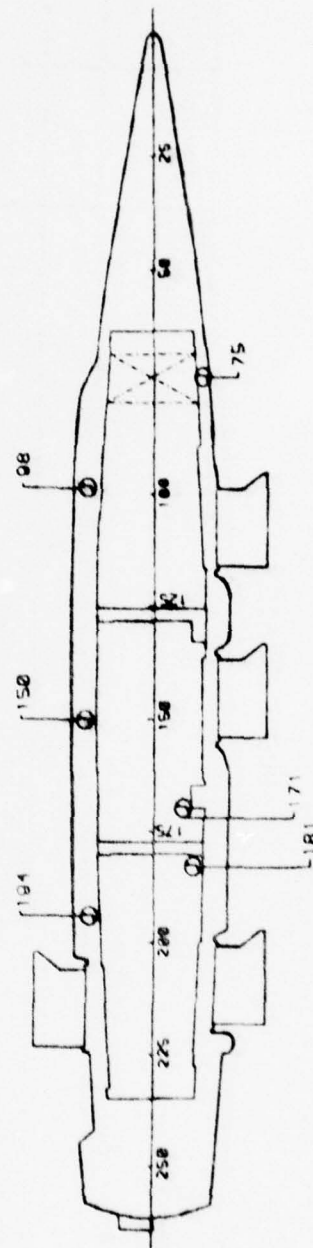
NOTES

- 1 FLT DK STATIONS 3 HOSE, 03-8-2, 03-32-2, 03-0-1, 03-31-1, 03-03-1, 4 HOSE 03-230-2, 03-237-1
- 2 2-1/2" HOSE JP-5

CV(N)-69 AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



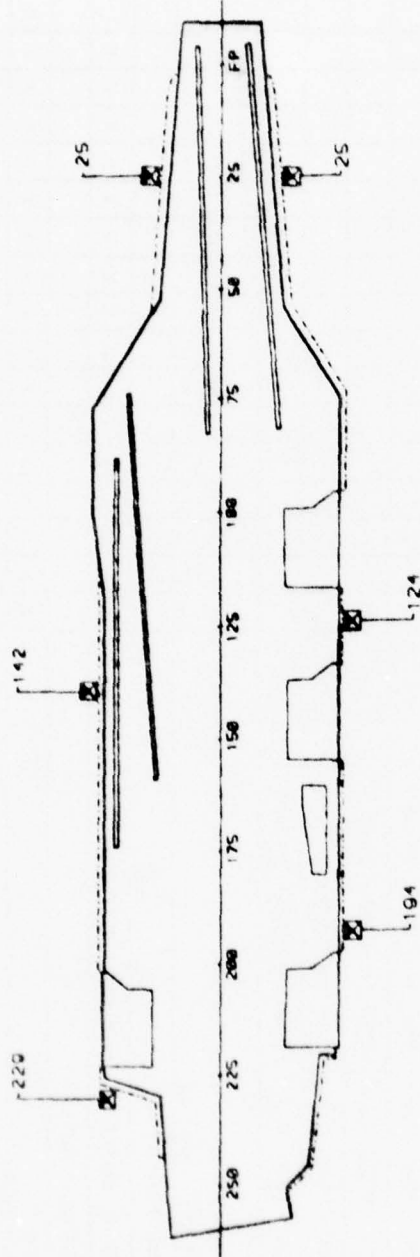
PLAN VIEW OF HANGAR DECK

LEGEND
○ JP-5
□ RECESSED

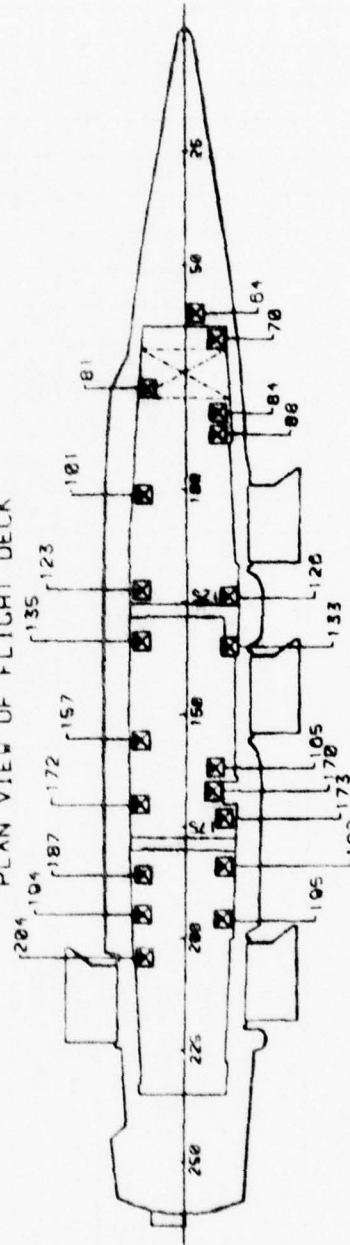
CV(N)-69 USS DWIGHT D EISENHOWER

COMPRESSED AIR SERVICE SUMMARY			
COMPRESSED AIR			
LOW PRESSURE	FLT DK	HGR DK	
1 SERVICE OUTLETS @ 125 PSI	6	28	
REDUCED PRESSURE			
1 SERVICE OUTLETS @	NONE	NONE	
MEDIUM PRESSURE			
1 SERVICE OUTLETS @ 1800 PSI	NONE	NONE	
MEDIUM TO HIGH PRESSURE			
1 SERVICE OUTLETS @ 1800 to 3000 PSI (VARIABLE)	NONE	NONE	
HIGH PRESSURE			
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE	
TIRE CHANGING AIR			
1 SERVICE OUTLETS @	NONE	NONE	

CV(N)-69 COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



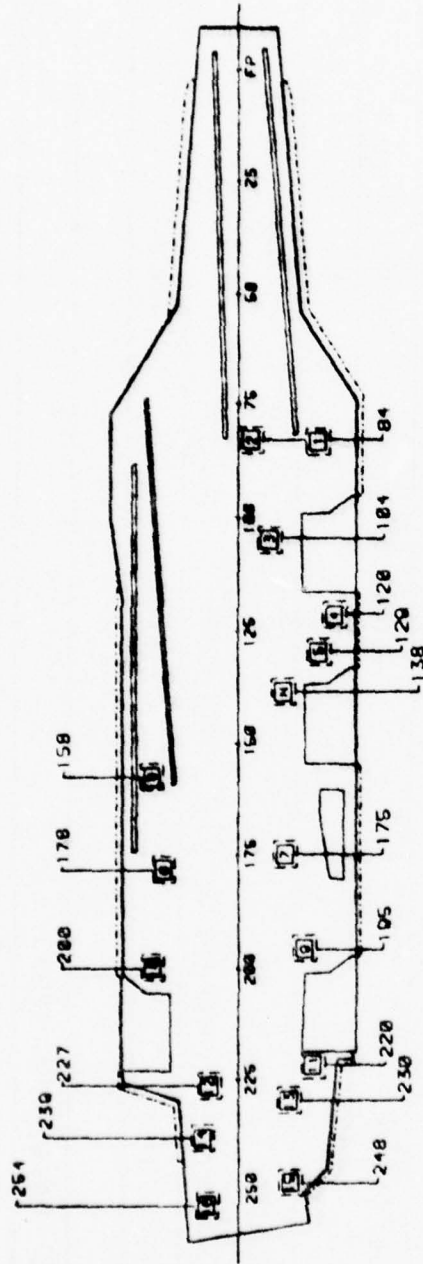
PLAN VIEW OF HANGAR DECK

LEGEND

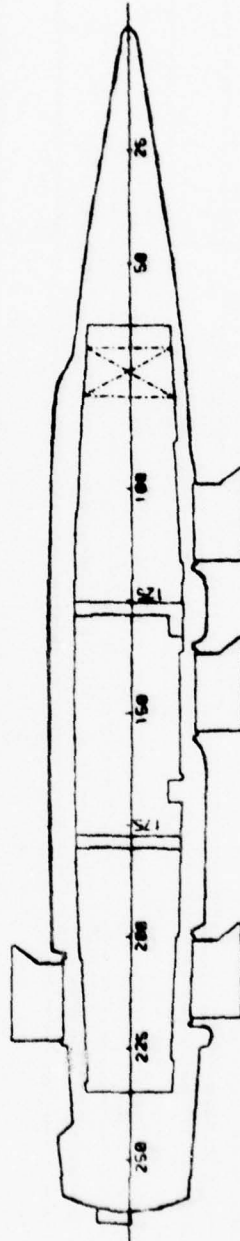
☒ LOW PRESSURE AIR, 125 PSI

CV(N)-69 USS DWIGHT D EISENHOWER

CV(N)-89 COMBAT READINESS STATION LAYOUT



PLAN VIEW OF FLIGHT DECK



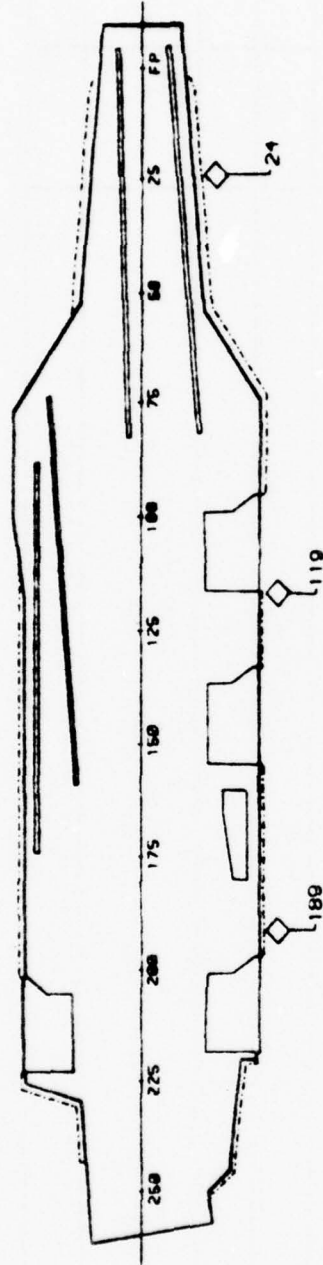
PLAN VIEW OF HANGAR DECK

LEGEND
☐ COMBAT READINESS STATION
☐ RECESSED

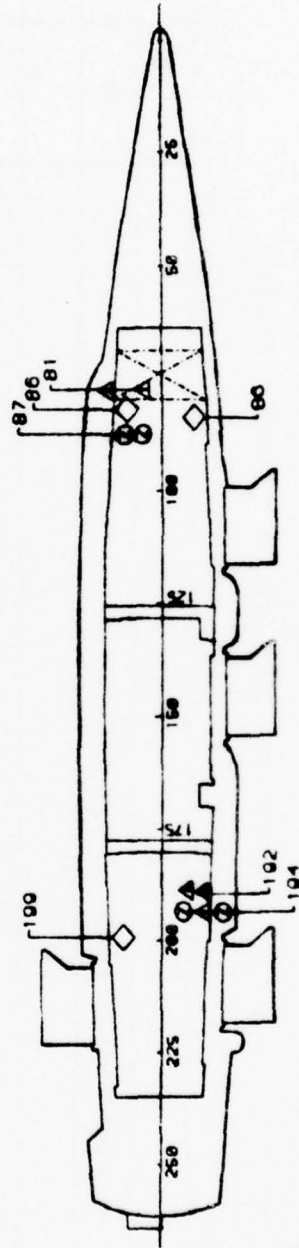
CV(N)-89 DWIGHT D EISENHOWER

OXYGEN AND NITROGEN SERVICE SUMMARY			
OXYGEN			
1 STORAGE CAPACITY, LIQUID GALS	2,000		
2 GENERATING CAPACITY GPH	10		
3 SERVICE OUTLETS, LIQUID	FLT DK NONE	HGR DK 2	
4 SERVICE OUTLETS, GASEOUS	FLT DK NONE	HGR DK 1 ^a	
NITROGEN (OIL FREE)			
1 STORAGE CAPACITY, LIQUID GALS	2,000		
2 SERVICE OUTLETS	FLT DK 3 ^b	HGR DK 4 ^c , 1 ^f , 3 ^g	
NITROGEN			
1 STORAGE CAPACITY @ 3000 PSI			
2 SERVICE OUTLETS	FLT DK	HGR DK	
NOTES PRESSURES (PSI)			
a 1800	c 2000	e 2000 - 3000	g 3500
b 1000	d 2000	f 3000	h 500

CV(N)-69 OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK

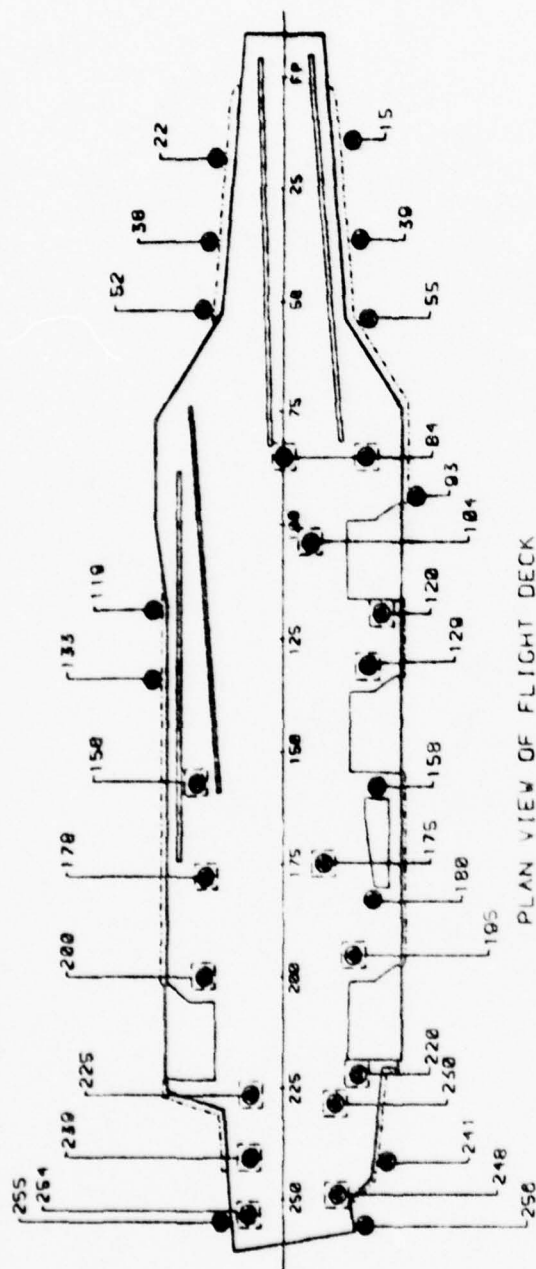


PLAN VIEW OF HANGAR DECK

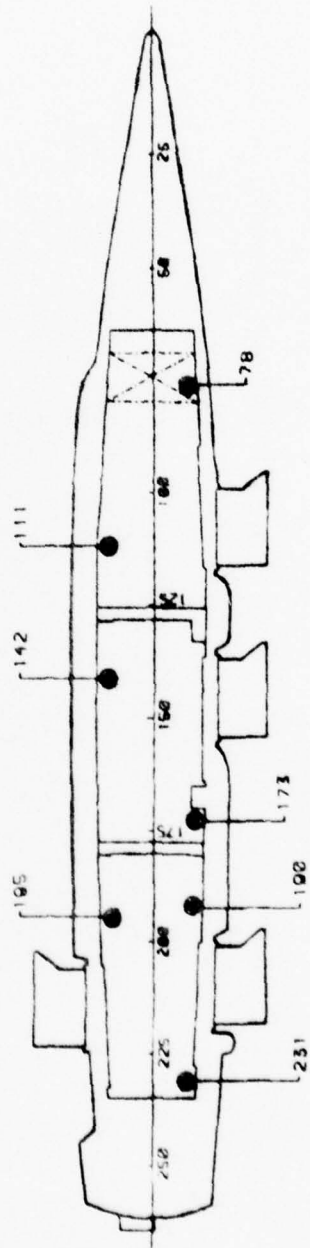
- LEGEND
- ▲ CASEOUS OXYGEN 2000 PSI
 - ▲ LIQUID OXYGEN
 - CASEOUS NITROGEN 3000 PSI
 - CASEOUS NITROGEN 2000 PSI
 - ◇ CASEOUS NITROGEN 3500 PSI
 - ▲ CASEOUS OXYGEN 1800 PSI

CV(N)-69 USS DWIGHT D EISENHOWER

CV(N)-69 AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- ALIGNMENT OUTLET BOX (ANALOG/DIGITAL)
- RECESSED

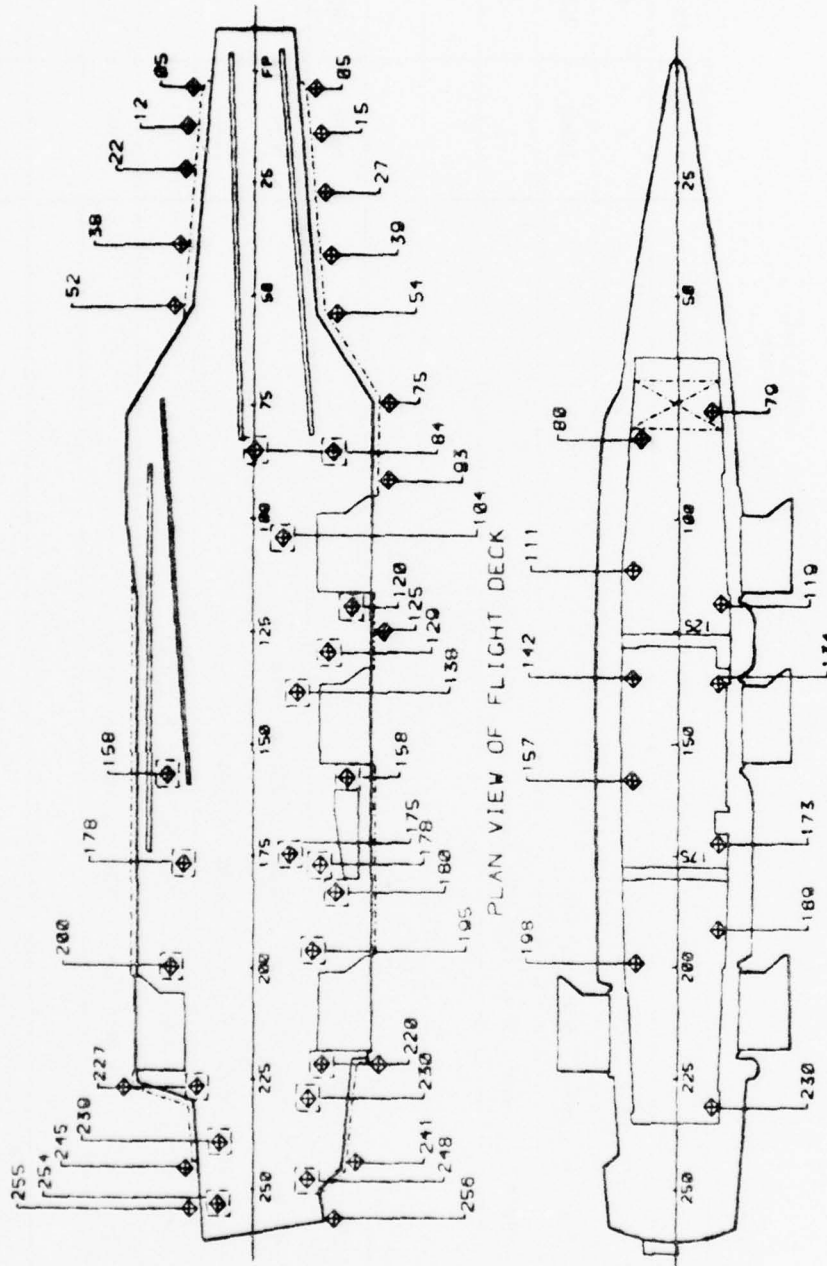
CV(N)-69 DWIGHT D. EISENHOWER

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Aviation Fuel Service Outlet Layout	6
4 Compressed Air Service Summary	7
Compressed Air Service Outlet Layout	8
5 Combat Readiness Station Service Summary	9
Combat Readiness Station Layout	10
6 Oxygen and Nitrogen Service Summary	11
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8 Aircraft Cooling and Starting Air Outlet Summary	15
Aircraft Cooling and Starting Air Outlet Layout	16

LATEST CHECK - AUGUST 1979

USS NIMITZ

CV(N)-68 NIMITZ AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (100HZ)



PLAN VIEW OF HANGAR DECK

CV(N)-68 USS NIMITZ

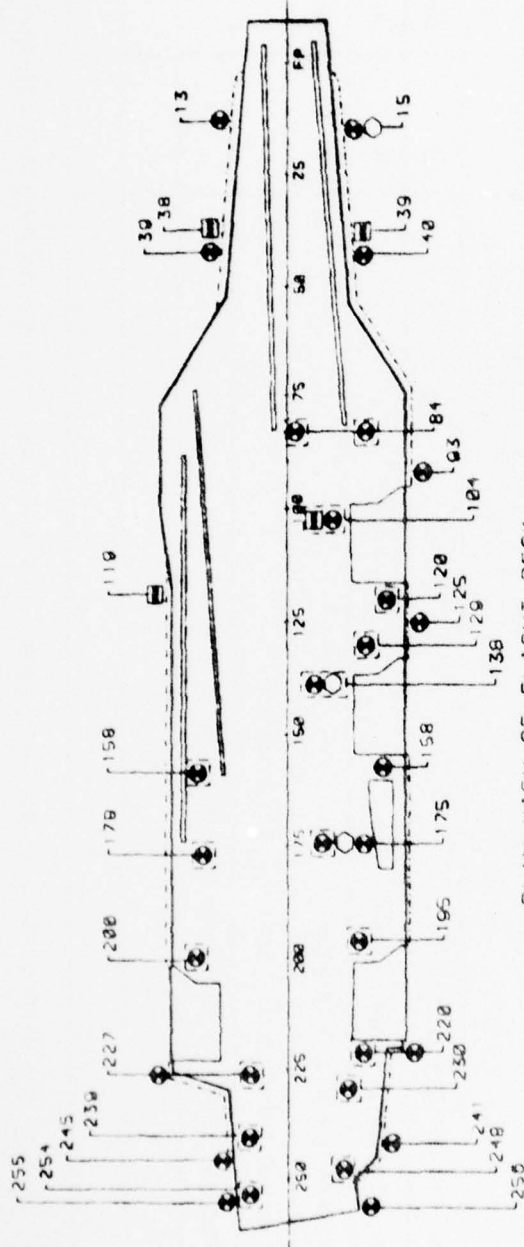
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400HZ, 3PH, 115/200VAC, 60KVA, TYPE III

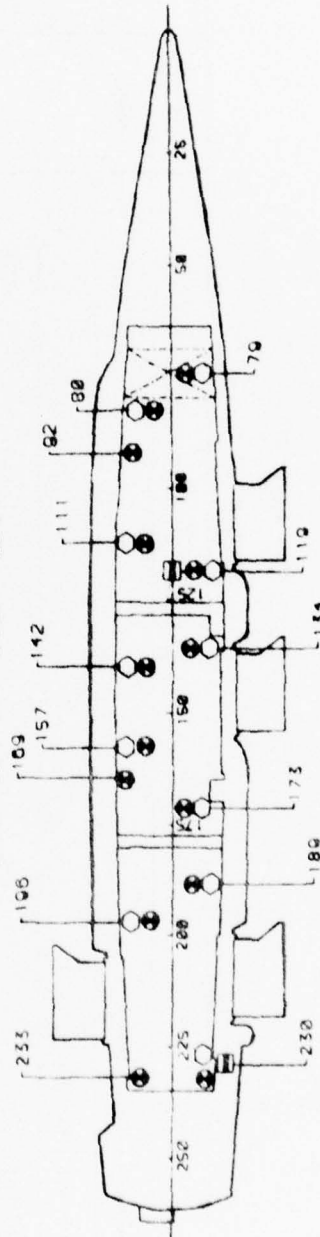
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A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			HCR DK
1	440 VAC 60Hz, 3PH, 25 AMP	3	11
2	440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	31	14
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 600 to 900 A Inter	NONE	NONE
3	28 5 VDC, 600 AMP Cont, 600 to 900 A Inter	NONE	NONE
4	28 5 VDC, 300 AMP cont, 650 to 1000 A Inter	4	2
5	28 5 VDC, 650 AMP Cont, 650 to 1000 A Inter	NONE	NONE

CV(N)-68 NIMITZ A/C ELECTRICAL AND SUPPORT EQUIPMENT SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



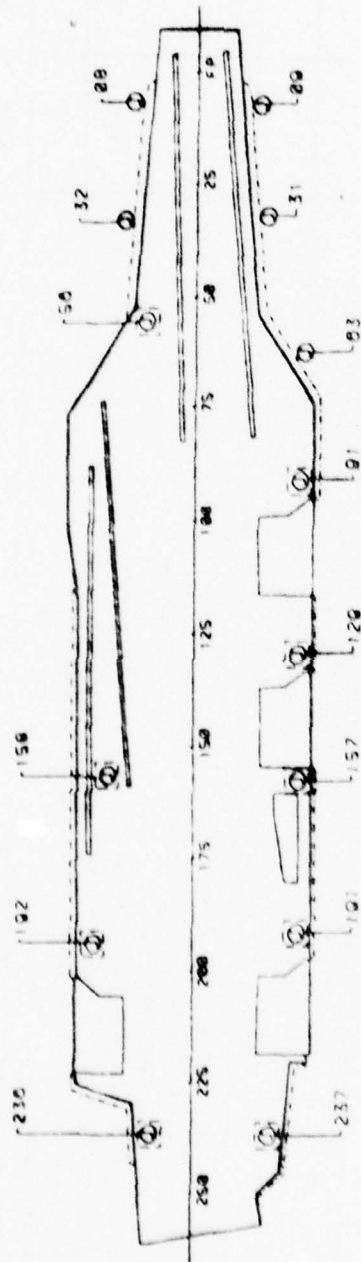
PLAN VIEW OF HANGAR DECK

LEGEND
 ○ 440VAC, 60HZ, 3PH, 25AMP
 ○ 440VAC, 60HZ, 3PH, 100AMP
 ○ 28 VVDC, 302AMP CONT, 050-1000A INTER
 □ RECESSED

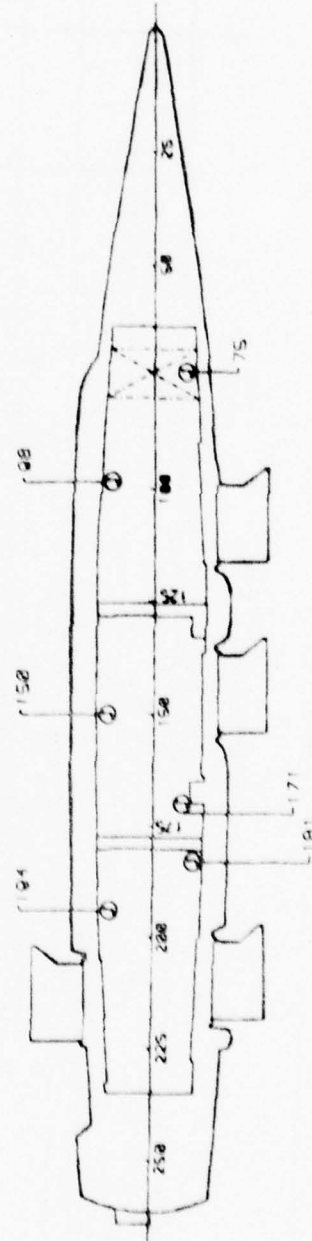
CV(N)-68 USS NIMITZ

AVIATION FUEL SERVICE			
AVIATION GASOLINE AND JP-5			
	AV/GAS	JP-5	
1 CAPACITY GAL 95X	NONE	3,180,012	
2 SERVICE OUTLETS		FLT DK 14 HGR DK 6	
3 HOSES PER OUTLET	NOTE 1	FLT DK 2 HGR DK 2	
4 SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 2	200/40	
5 TWO OUTLETS OPERATING		200/40	
6 FOUR OUTLETS OPERATING		200/40	
7 SIX OUTLETS OPERATING		200/40	
8 DEFUELING CAPACITY PER SERVICE OUTLET GPM		100	
9 DEFUELING CAPACITY PER PORTABLE PUMP GPM		50	
NOTES			
1 FLT DK STATIONS 3 HOSE, 03-0-2, 03-32-2, 03-0-1, 03-31-1, 03-03-1, 4 HOSE 03-230-2, 03-237-1			
2 2-1/2" HOSE JP-5			

CVIN1-68 NIMITZ AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ JP-5
 □ RECESSED

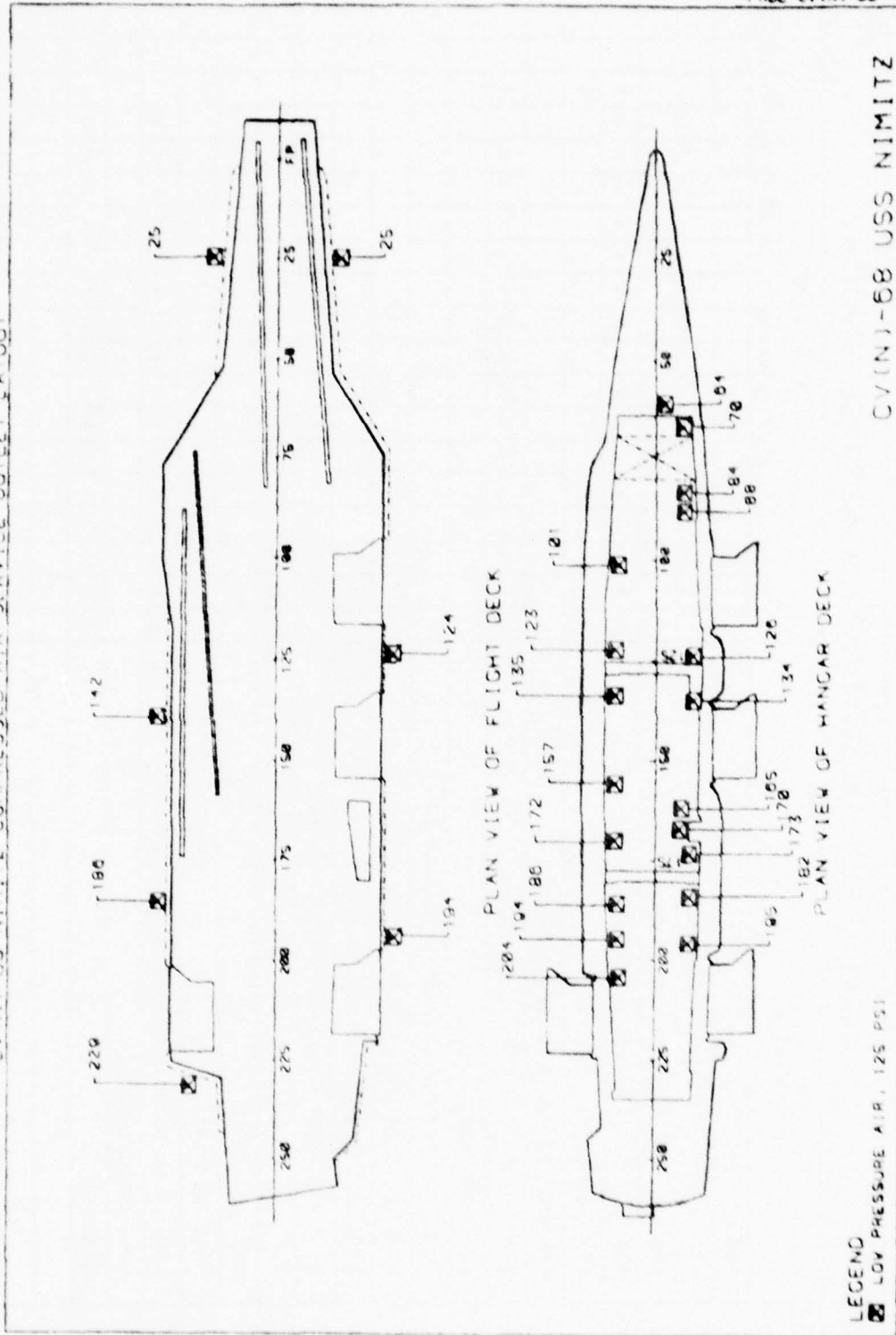
CVIN1-68 USS NIMITZ

COMPRESSED AIR SERVICE SUMMARY

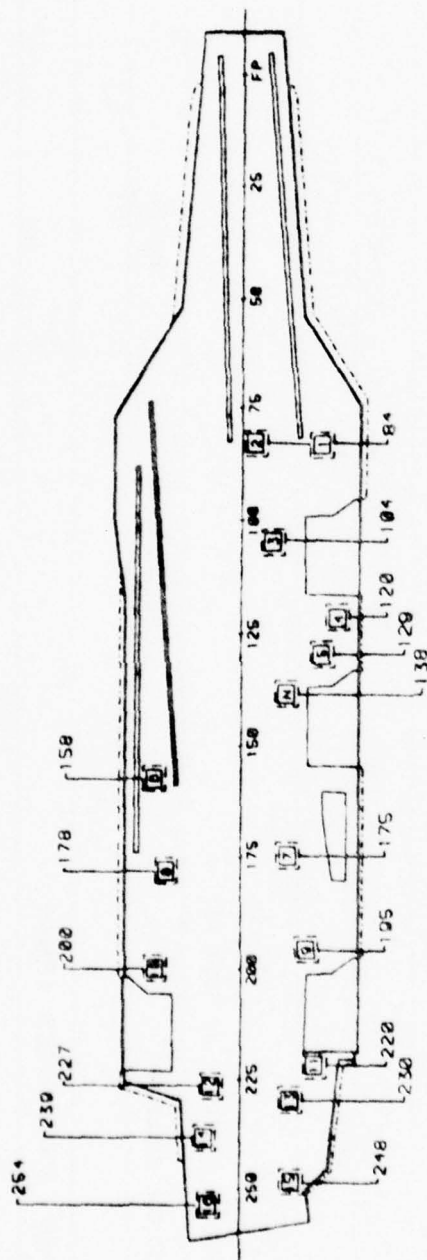
COMPRESSED AIR

LOW PRESSURE	FLT DK	HGR DK
1 SERVICE OUTLETS @ 125 PSI	7	10
REDUCED PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1800 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1800 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

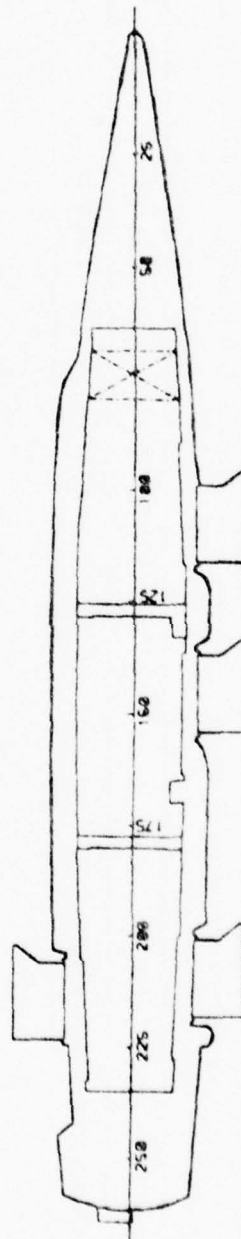
CV(N)-68 NIMITZ COMPRESSED AIR SERVICE OUTLET LAYOUT



COMBAT READINESS STATION SERVICE SUMMARY	
SERVICES	STATIONS
400 Hz, 3PH, 115/200 VAC 30 KVA, Type I	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 N 18 19
400 Hz, 3PH, 115/200 VAC 30 KVA, Type III	
400 Hz, 3PH, 115/200 VAC 60 KVA, Type I	
400 Hz, 3PH, 115/200 VAC 60 KVA, Type III	X X X X X X X X X X X X X X X X X
440 VAC, 60 Hz, 3PH, 25A	
440 VAC, 60 Hz, 3PH, 60A	
440 VAC, 60 Hz, 3PH, 100A	X X X X X X X X X X X X X X X X
28 5 VDC, 200A Cont	
28 5 VDC, 300A Cont 650 to 1000A Inter	X
28 5 VDC, 600A Cont 600 to 800A Inter	
28 5 VDC, 650A Cont 650 to 1000A Inter	
28 5 VDC, 800A Cont 800 to 1000A Inter	
COOLING AIR	
STARTING AIR	
SINS (DUAL OUTLET) (ANALOG/DIGITAL)	X X X X X X X X X X X X X X X X
SINS (SINGLE OUTLET)	
PECESSED	X X X X X X X X X X X X X X X X



PLAN VIEW OF FLIGHT DECK



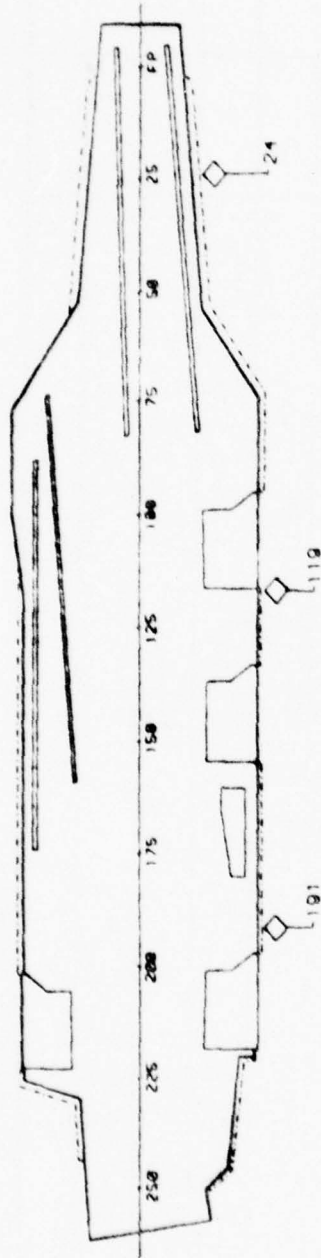
PLAN VIEW OF HANGAR DECK

LEGEND
☐ COMBAT READINESS STATION
☐ RECEIVED

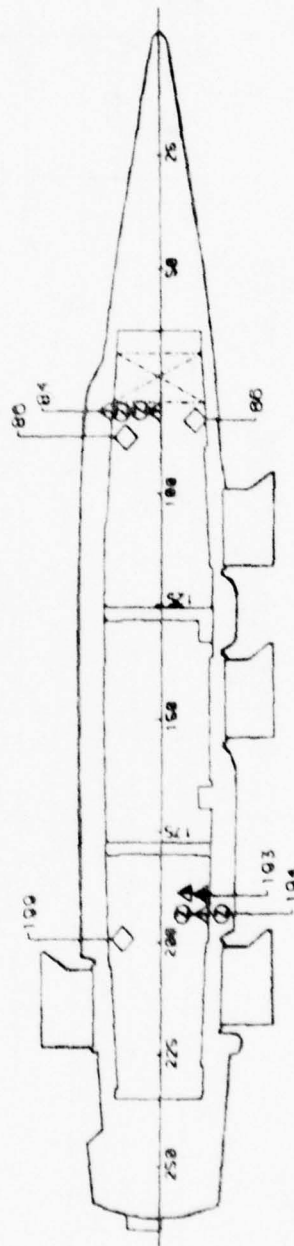
CV(N)-68 USS NIMITZ

OXYGEN AND NITROGEN SERVICE SUMMARY				
OXYGEN				
1	STORAGE CAPACITY, LIQUID GALS	2,000		
2	GENERATING CAPACITY GPH	10		
3	SERVICE OUTLETS, LIQUID	FLT DK NONE	HGR DK 2	
4	SERVICE OUTLETS, CASEOUS	FLT DK NONE	HGR DK 1 ^d	
NITROGEN (OIL FREE)				
1	STORAGE CAPACITY, LIQUID GALS	2,000		
2	SERVICE OUTLETS	FLT DK 3 ^g	HGR DK 4 ^c , 1 ^f , 3 ^g	
NITROGEN				
1	STORAGE CAPACITY @ 3000 PSI			
2	SERVICE OUTLETS	FLT DK	HGR DK	
NOTES PRESSURES (PSI)				
a	1000	c 2000	e 2000 - 3000	g 3500 i 5000
b	1000	d 2000	f 3000	h 500

CV(N)-68 NIMITZ OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- ▲ CASEOUS OXYGEN 2600 PSI
 - LIQUID OXYGEN
 - CASEOUS NITROGEN 3000 PSI
 - CASEOUS NITROGEN 2000 PSI
 - CASEOUS NITROGEN 3500 PSI
 - ▲ CASEOUS OXYGEN 1800 PSI

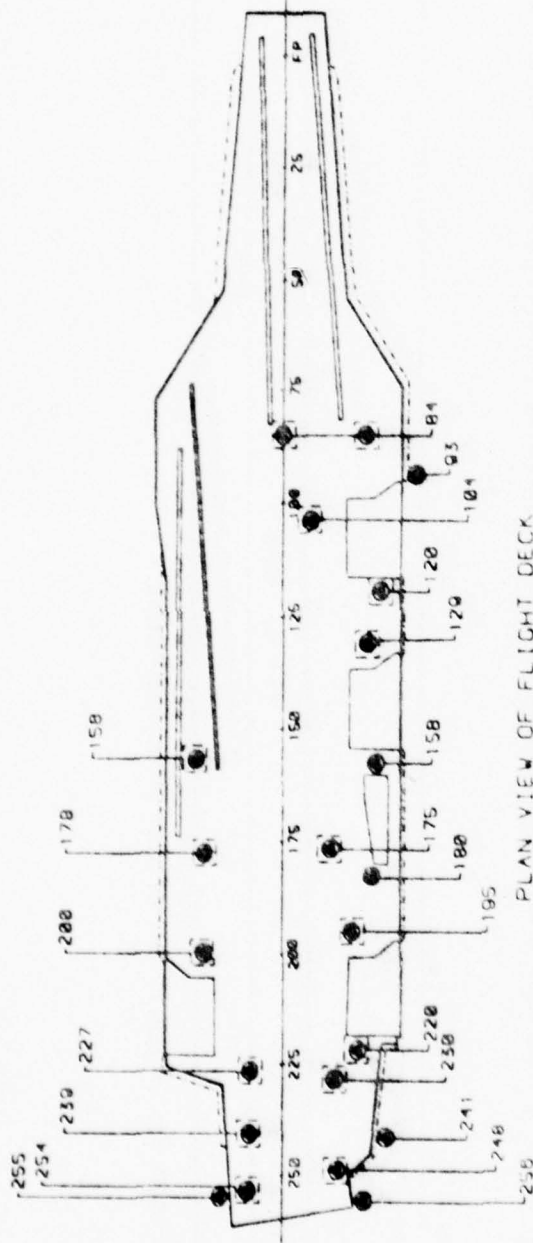
CV(N)-68 USS NIMITZ

AIRCRAFT INERTIAL ALIGNMENT
OUTLET BOX SUMMARY

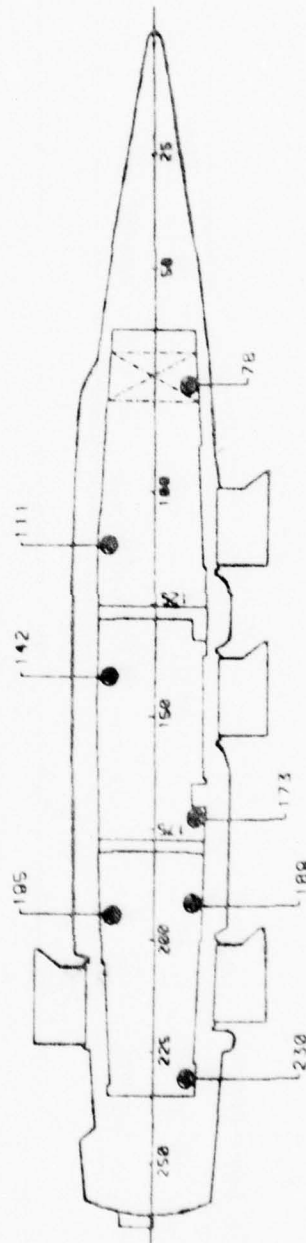
AIRCRAFT INERTIAL ALIGNMENT SYSTEM

[illegible]

CV(N)-68 NIMITZ AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

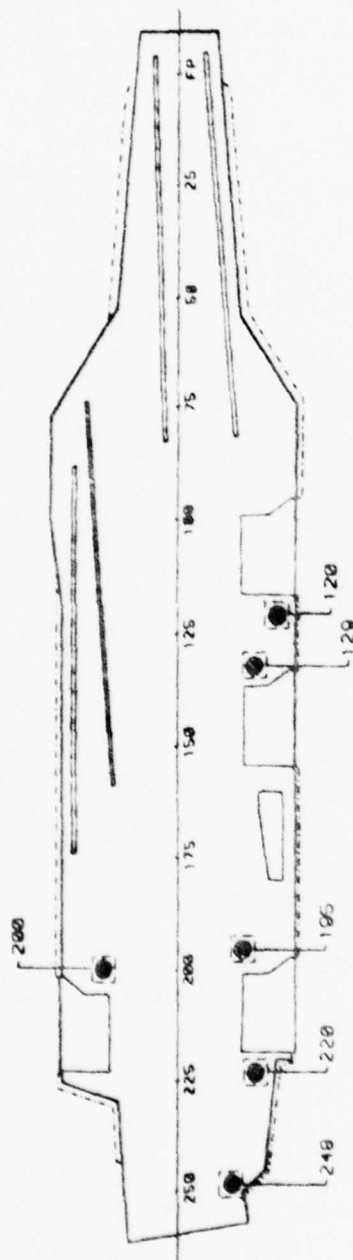
LEGEND

- ALIGNMENT OUTLET BOX (ANALOG/DIGITAL)
- RECESSED

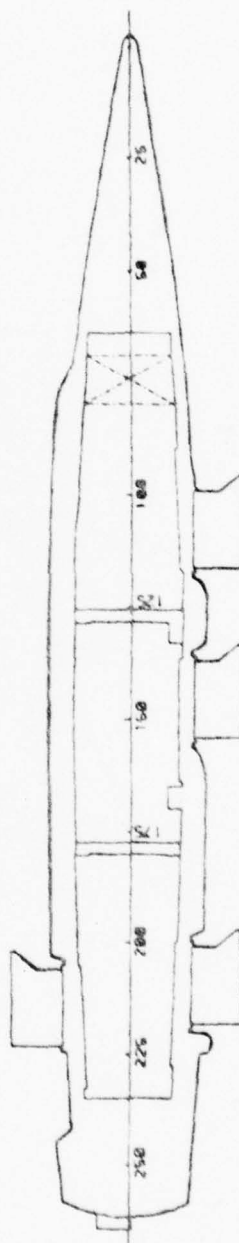
CV(N)-68 USS NIMITZ

COOLING AND STARTING AIR OUTLET SUMMARY			
COOLING AIR			
1	OUTLET CAPACITY	SEE NOTE	
2	SERVICE OUTLETS	FLT DK 0	HCR DK NONE
STARTING AIR			
1	OUTLET CAPACITY		
2	SERVICE OUTLETS	FLT DK NONE	HCR DK NONE
NOTE COOLING SYSTEM IS OUT OF COMMISSION INDEFINITELY			

CV(N)-68 AIRCRAFT COOLING AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

● COOLING AIR SERVICE
--- RECESSED

CV(N)-68 USS NIMITZ

CATEGORY PAGE NO.

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
3	Aviation Fuel Service Summary Aviation Fuel Service Outlet Layout	5
	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary Compressed Air Service Outlet Layout	7
	Compressed Air Service Outlet Layout	8
5	Combat Readiness Station Service Summary Combat Readiness Station Layout	9
	Combat Readiness Station Layout	10
6	Oxygen and Nitrogen Service Summary Oxygen and Nitrogen Service Outlet Layout	11
	Oxygen and Nitrogen Service Outlet Layout	12
7	Aircraft Inertial Alignment Outlet Box Summary Aircraft Inertial Alignment Outlet Box Layout	13
	Aircraft Inertial Alignment Outlet Box Layout	14
8	Aircraft Cooling and Starting Air Outlet Summary Aircraft Cooling and Starting Air Outlet Layout	15
	Aircraft Cooling and Starting Air Outlet Layout	16

LATEST CHECK - September 1976

USS JOHN F KENNEDY

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

400HZ AIRCRAFT SERVICE

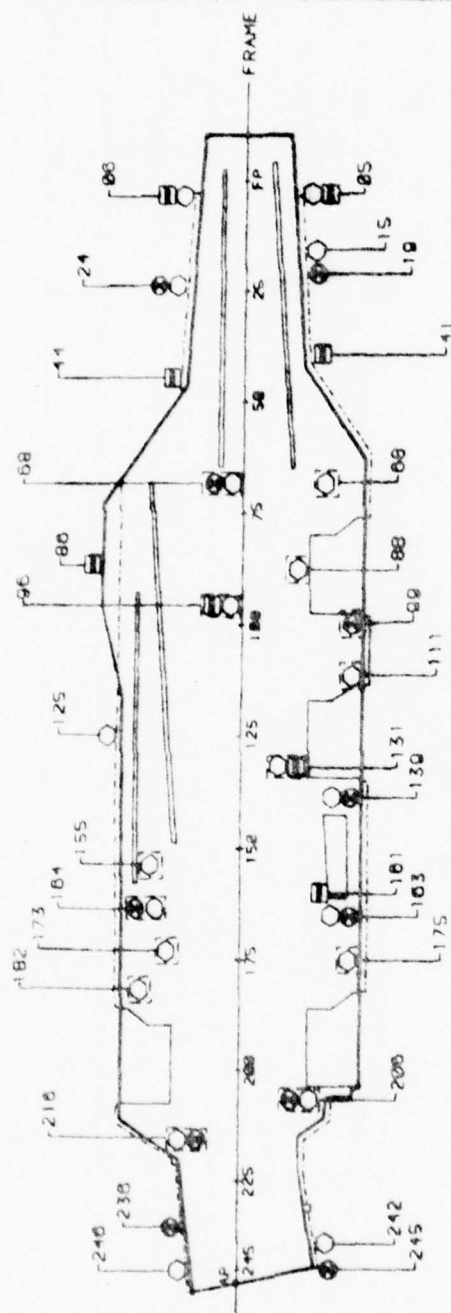
SERVICE OUTLETS	FLT DK	HGR DK
1 400Hz, 3PH, 115/200 VAC, 30KVA, Type I	NONE	NONE
2 400Hz, 3PH, 115/200 VAC, 30KVA, Type III	NONE	NONE
3 400Hz, 3PH, 115/200 VAC, 60KVA, Type I	5	NONE
4 400Hz, 3PH, 115/200 VAC, 60KVA, Type III	26	12

A/C START AND SUPPORT EQUIPMENT
ELECTRICAL SERVICE OUTLET SUMMARY

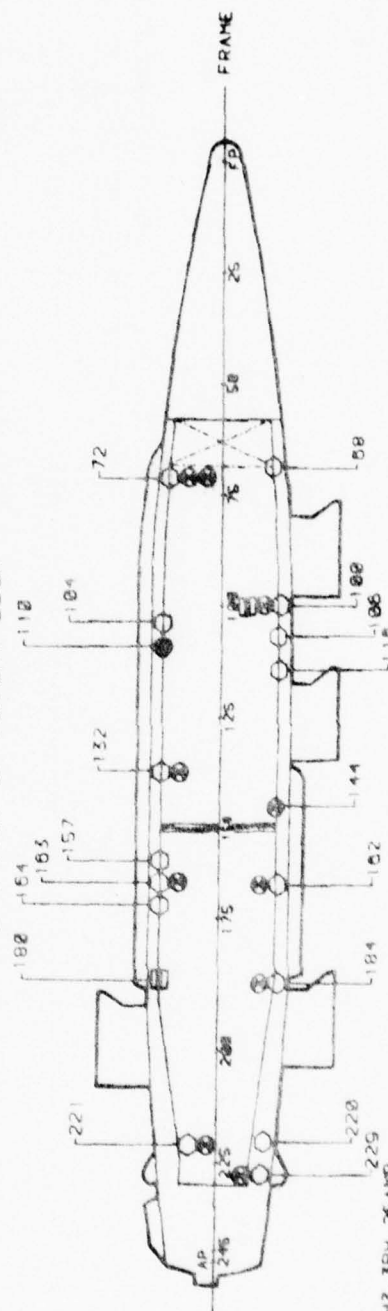
440 VAC SUPPORT EQUIPMENT SERVICE
28 5 VDC A/C SERVICE AND START

440 VAC SUPPORT EQUIPMENT SERVICE		FLT DK	HCR DK
1	440 VAC 60HZ, 3PH, 25 AMP	22	15
2	440 VAC, 60HZ, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60HZ, 3PH, 100 AMP	11	11
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 800 to 900 A Inter	NONE	NONE
3	28 5 VDC, 600 AMP Cont, 800 to 900 A Inter	NONE	NONE
4	28 5 VDC, 300 AMP cont, 850 to 1000 A Inter	8	2
5	28 5 VDC, 550 AMP Cont, 650 to 1000 A Inter	NONE	NONE

CV-67 J F KENNEDY A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ 110VAC, 60HZ, 3PH, 25AMP
 ● 110VAC, 60HZ, 3PH, 100AMP
 □ 28 SVDC, 320AMP CONT 050-1200A INTER
 L: RECEIVED

AVIATION FUEL SERVICE

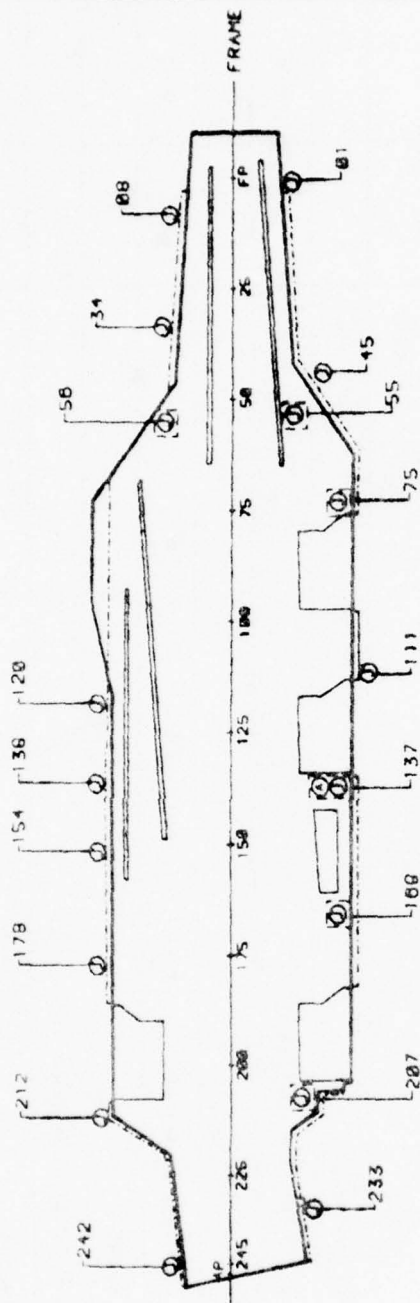
AVIATION GASOLINE AND JP-5

	AV/GAS	JP-5
1 CAPACITY GAL 95X	25,312	1,922,024
2 SERVICE OUTLETS	FLT DK 1 HCR DK 0	FLT DK 18 HCR DK 7
3 HOSES PER OUTLET	2	FLT DK 4 HCR DK 2
4 SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 1	200/30
a TWO OUTLETS OPERATING	125/30	200/30
b FOUR OUTLETS OPERATING	125/30	200/30
c SIX OUTLETS OPERATING	125/30	200/30
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	50	50
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM	25	25

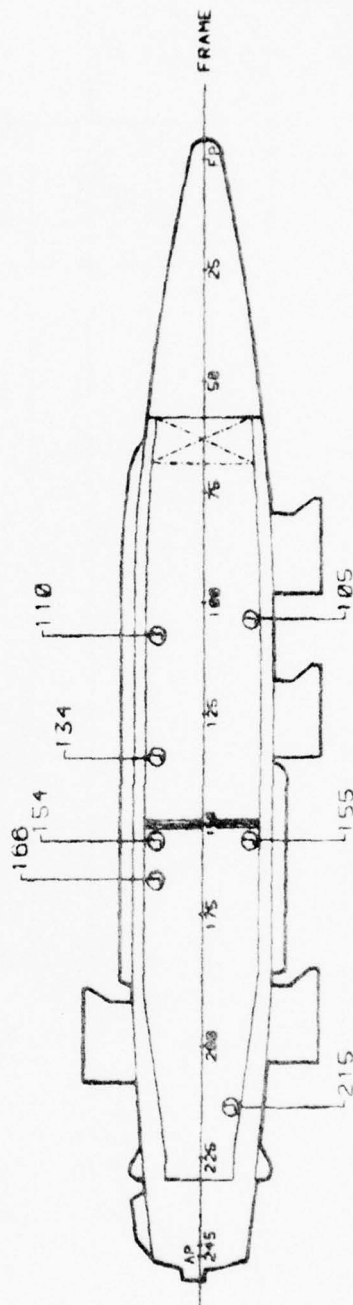
NOTE

1 1-1/2" HOSE AV/GAS 2-1/2" HOSE JP-5

CV-67 J F KENNEDY AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



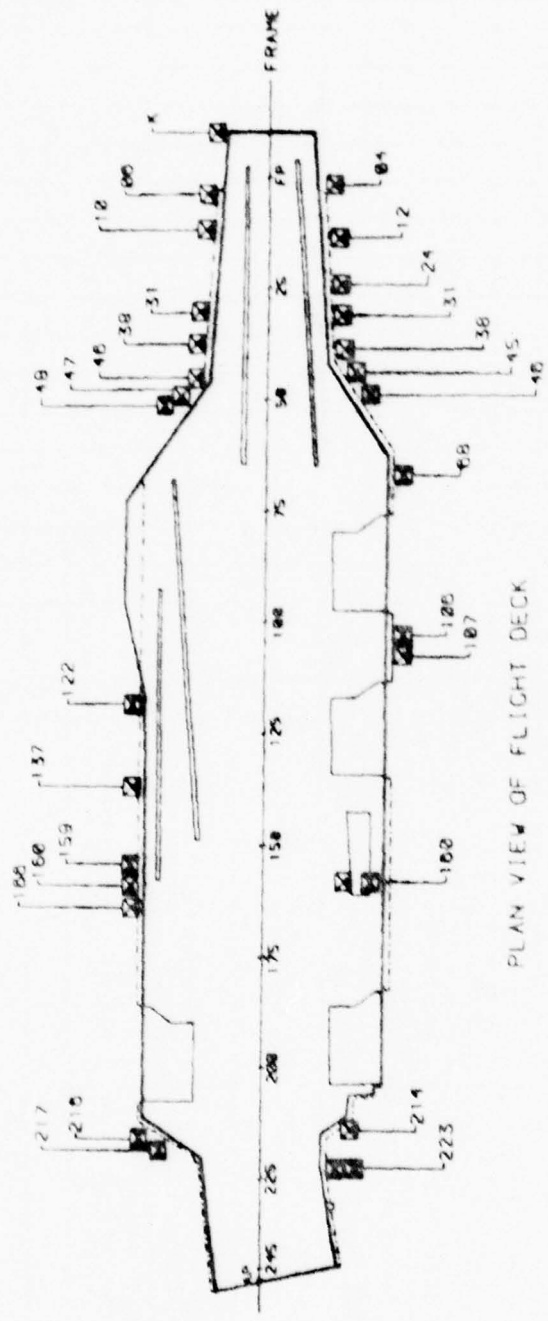
PLAN VIEW OF HANGAR DECK

LEGEND
 (C) AV/GAS
 (O) JP-5
 (L) RECESSED

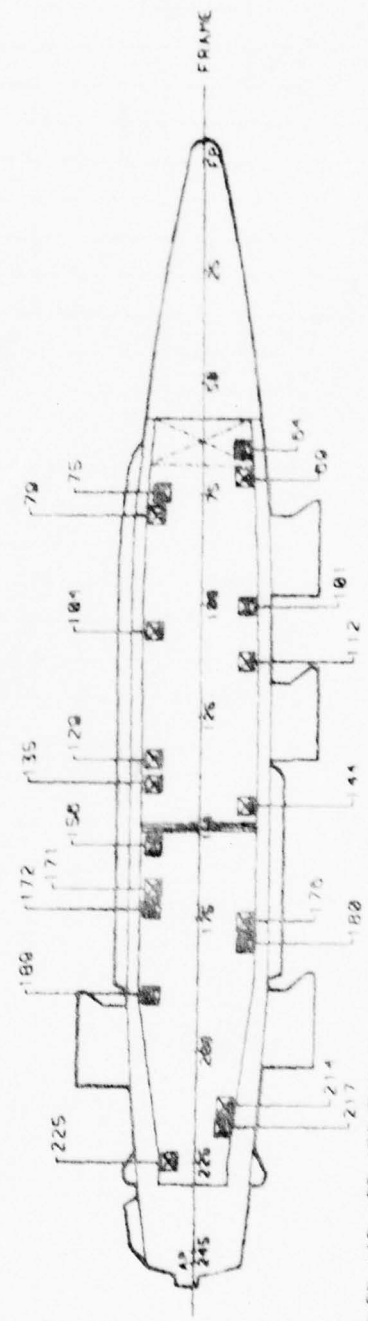
CV-67 USS JOHN F KENNEDY

COMPRESSED AIR SERVICE SUMMARY			
COMPRESSED AIR			
LOW PRESSURE		FLT DK	WGR DK
1 SERVICE OUTLETS		16	11
REDUCED PRESSURE		NONE	5
1 SERVICE OUTLETS			
MEDIUM PRESSURE			
1 SERVICE OUTLETS @ 1800 PSI		3	NONE
MEDIUM TO HIGH PRESSURE			
1 SERVICE OUTLETS @ 1800 TO 3000 PSI (VARIABLE)		NONE	NONE
HIGH PRESSURE			
1 SERVICE OUTLETS @ 3000 PSI		11	3
TIRE CHANGING AIR			
1 SERVICE OUTLETS		NONE	NONE

CV-87 J.F. KENNEDY COMPRESSED AIR SERVICE LAYOUT



PLAN VIEW OF FLIGHT DECK

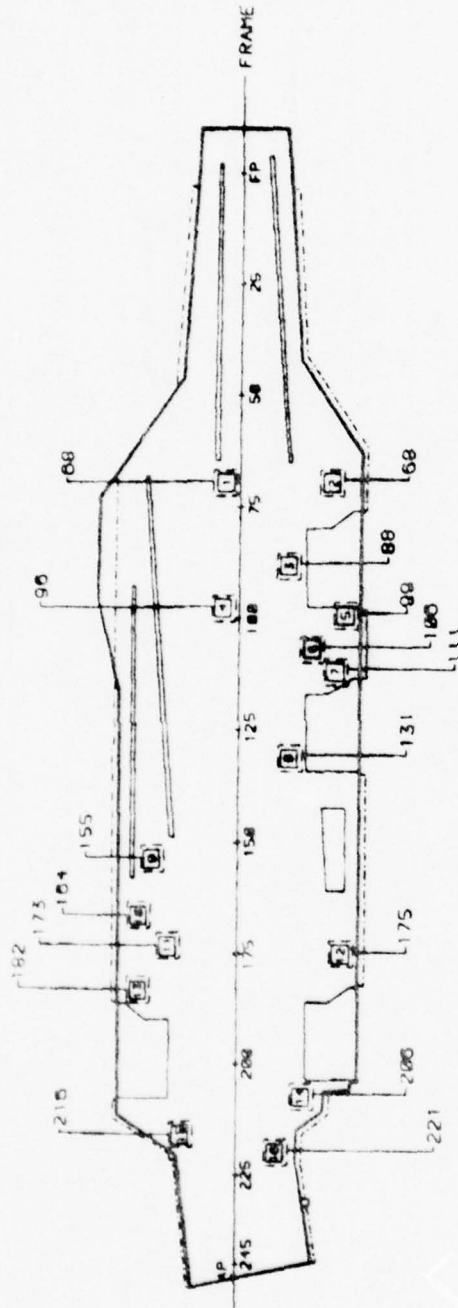


PLAN VIEW OF HANGAR DECK

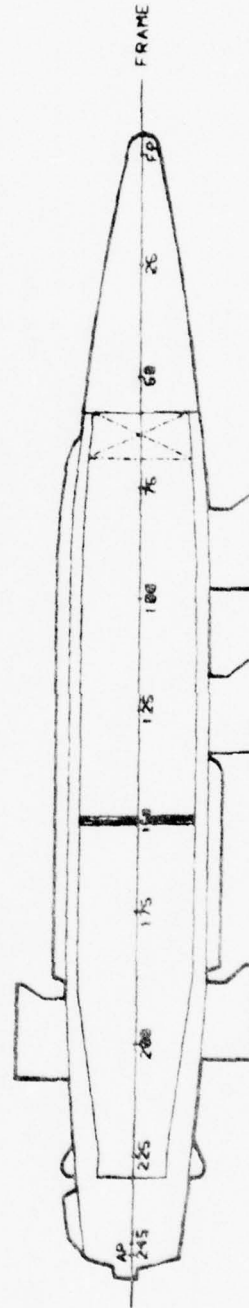
- LEGEND
- [Symbol] LOW PRESSURE AIR, 180-150 PSI
 - [Symbol] MEDIUM PRESSURE AIR, 1800 PSI
 - [Symbol] HIGH PRESSURE AIR, 2000 PSI
 - [Symbol] REDUCED PRESSURE AIR, 200 PSI

CV-87 USS JOHN F. KENNEDY

CV-67 J F KENNEDY COMBAT READINESS STATION LAYOUT



PLAN VIEW OF FLIGHT DECK



LEGEND
 □ COMBAT READINESS STATION
 ▭ RECESSED

PLAN VIEW OF HANGAR DECK

CV-67 USS JOHN F KENNEDY

OXYGEN AND NITROGEN SERVICE SUMMARY

OXYGEN

1 STORAGE CAPACITY, LIQUID GALS	3000	
2 GENERATING CAPACITY GPH	32	
3 SERVICE OUTLETS, LIQUID	FLT DK NONE	HGR DK 2
4 SERVICE OUTLETS, GASEOUS	FLT DK NONE	HGR DK 2 ^D

NITROGEN (OIL FREE)

1 STORAGE CAPACITY @ 5000 PSI	40 CU FT	
2 SERVICE OUTLETS	FLT DK 1 ^A , 1 ^F	HGR DK 2 ^O , 1 ^F

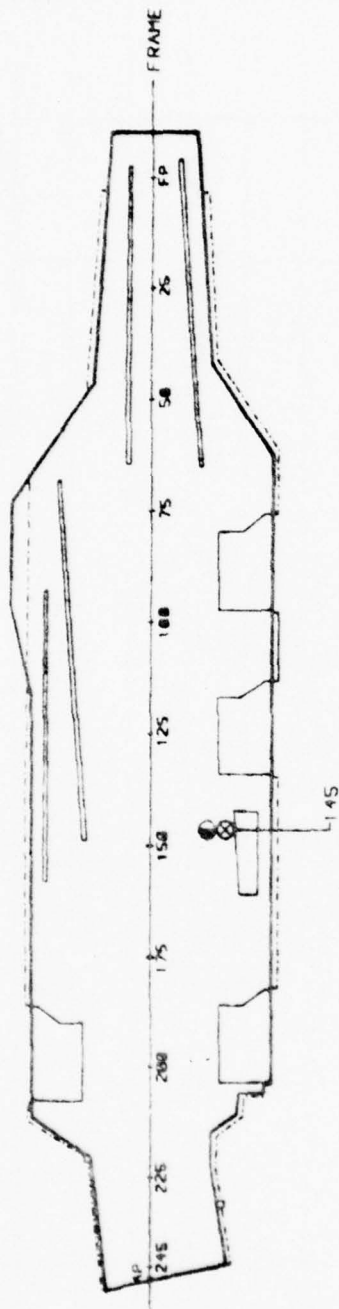
NITROGEN

1 STORAGE CAPACITY @ 3000 PSI	NONE	
2 SERVICE OUTLETS	FLT DK NONE	HGR DK NONE

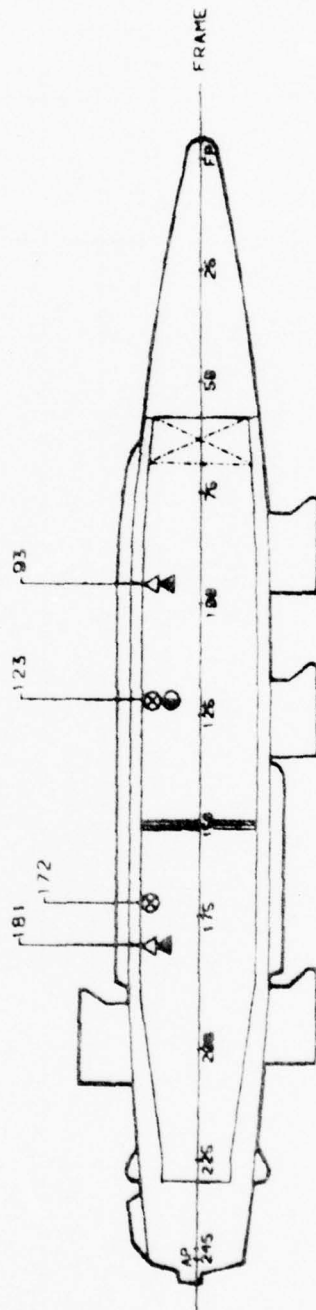
NOTES PRESSURES (PSI)

a 1000	c 2000	e 2000 - 3000	g 3500	i 5000
b 1000	d 2000	f 3000	h 500	

CV-67 J F KENNEDY OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- △ GASEOUS OXYGEN 1000 PSI
 - LIQUID OXYGEN
 - ⊗ GASEOUS NITROGEN 1000 PSI
 - ⊙ GASEOUS NITROGEN 3000 PSI

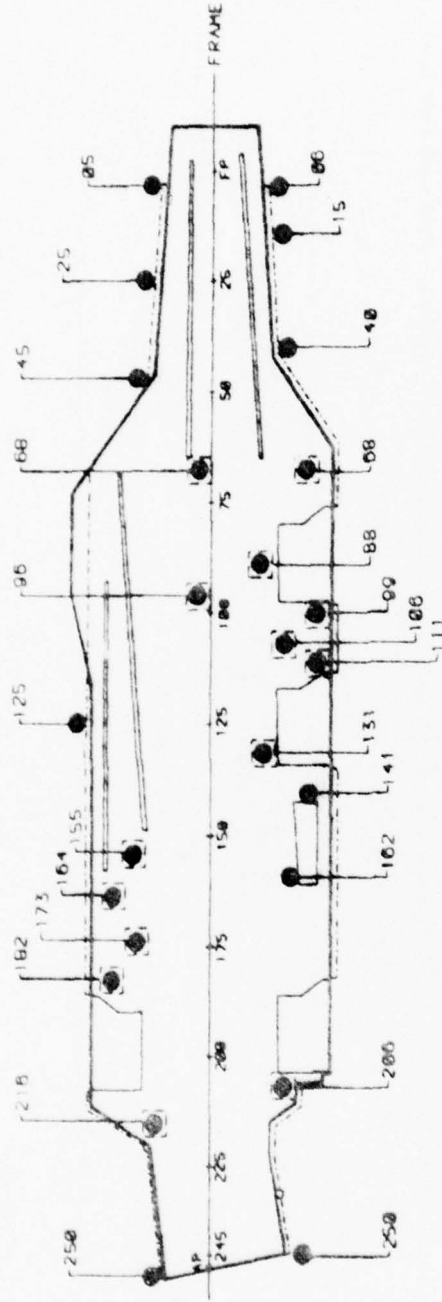
CV-67 USS JOHN F KENNEDY

AIRCRAFT INERTIAL ALIGNMENT
OUTLET BOX SUMMARY

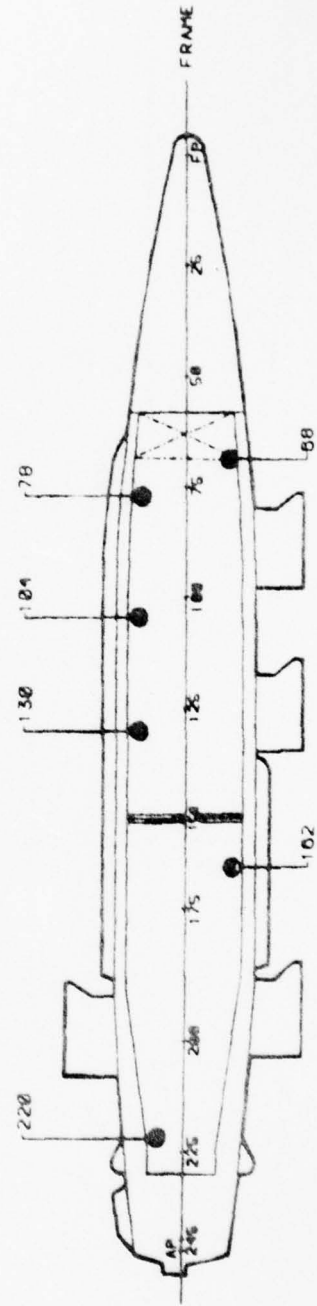
AIRCRAFT INERTIAL ALIGNMENT SYSTEM

[illegible]

CV-67 J/F KENNEDY AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
● ALIGNMENT OUTLET BOX (ANALOG/DIGITAL)
- RECESSED

CV-67 USS JOHN F KENNEDY

COOLING AND STARTING AIR OUTLET SUMMARY

COOLING AIR

1 OUTLET CAPACITY 50 PPM, 5 PSIC, 35° F

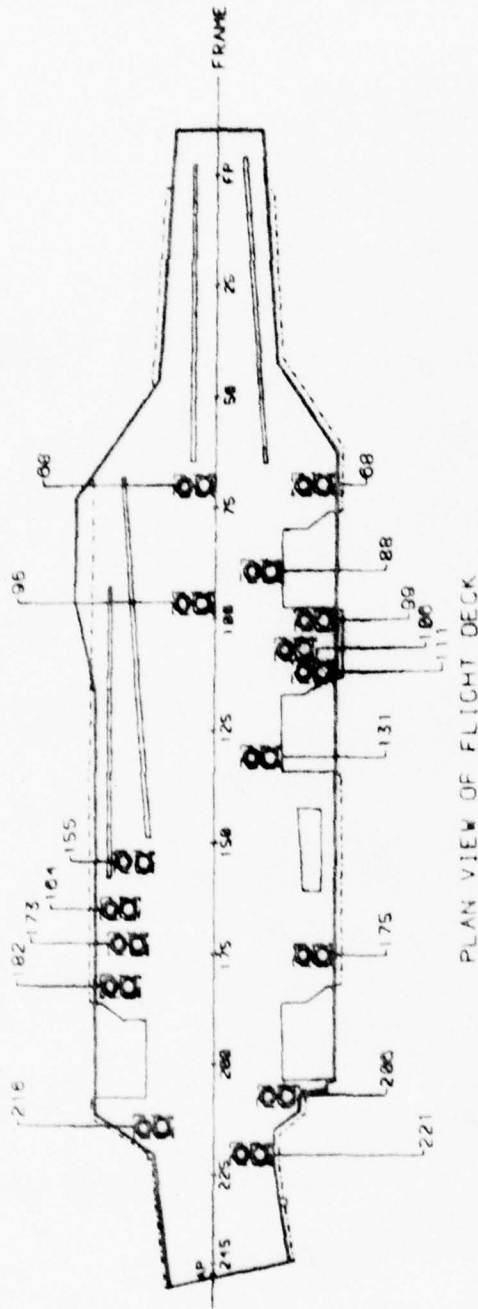
2 SERVICE OUTLETS FLT OK 16 HCR OK NONE

STARTING AIR

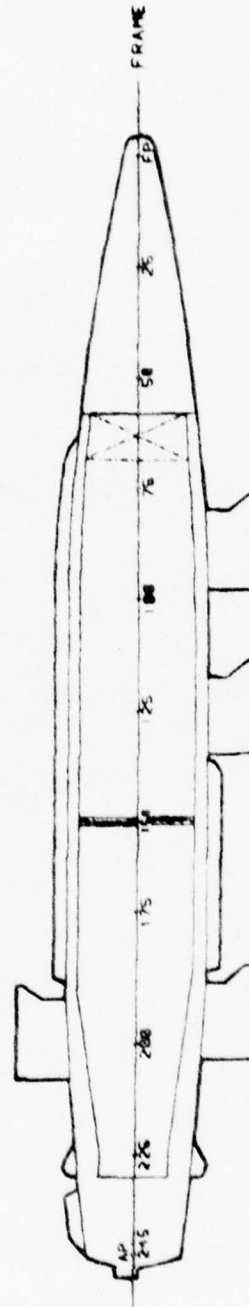
1 OUTLET CAPACITY
 RATIO 3 3 10 1
 FLOW 100-160 PPM 160-250 PPM
 PRESSURE 46 10 62 PSIC 56 10 91 PSIC
 TEMP 210° 10 425° F 350° 10 600° F

2 SERVICE OUTLETS FLT OK 16 HCR OK NONE

CV-67 J F KENNEDY COOLING AND STARTING AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



LEGEND
 ○ SERVICE, COOLING AIR
 □ SERVICE, STARTING AIR
 ▭ RECESSED

PLAN VIEW OF HANGAR DECK

CV-67 USS JOHN F KENNEDY

CATEGORY

PAGE NO.

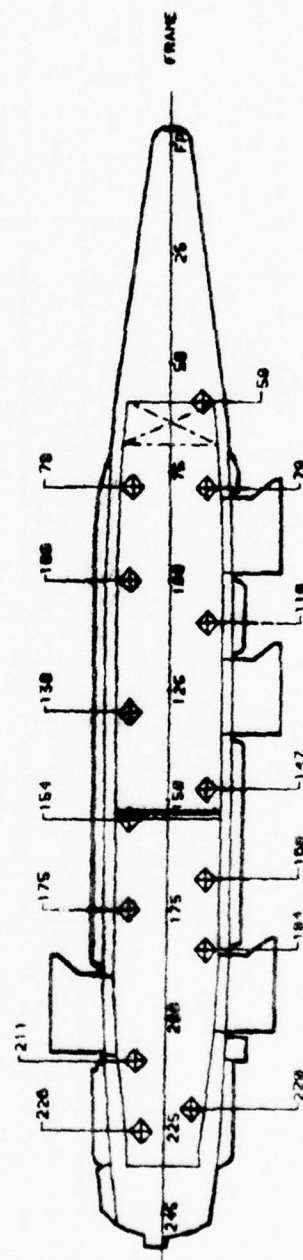
1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
2	Aircraft Electrical Service Outlet Layout (400 Hz)	2
3	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
4	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
5	Aviation Fuel Service Summary	5
6	Aviation Fuel Service Outlet Layout	6
7	Compressed Air Service Summary	7
8	Compressed Air Service Outlet Layout	8
9	Combat Readiness Station Service Summary	9
10	Combat Readiness Station Layout	10
11	Oxygen and Nitrogen Service Summary	11
12	Oxygen and Nitrogen Service Outlet Layout	12
13	Aircraft Inertial Alignment Outlet Box Summary	13
14	Aircraft Inertial Alignment Outlet Box Layout	14
15	Aircraft Cooling and Starting Air Outlet Summary	15
16	Aircraft Cooling and Starting Air Outlet Layout	16

LATEST CHECK - OCTOBER 1975

USS AMERICA

[illegible]

PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

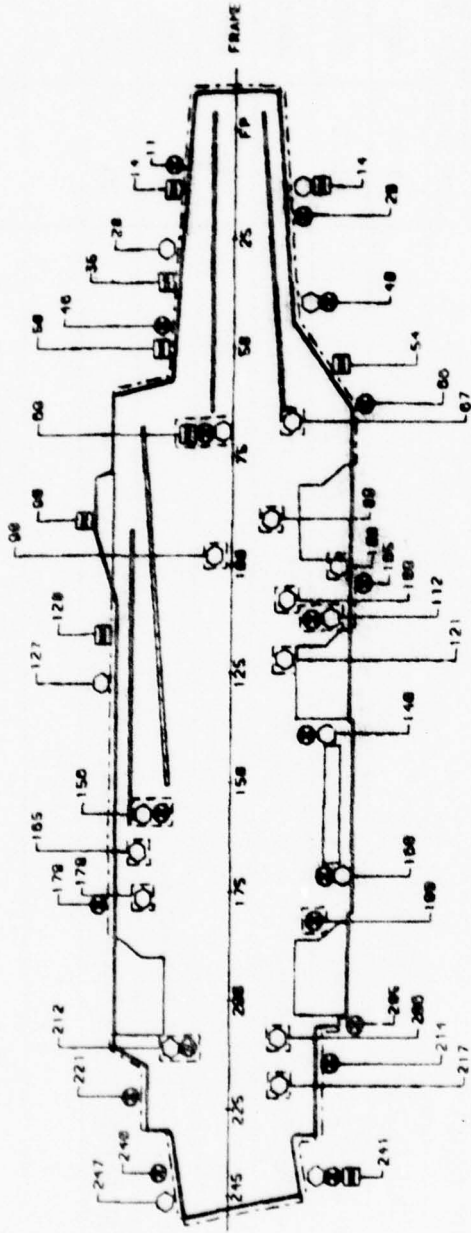
400 HZ 5PM 115/200 VAC 0000VA, TVD 111

0365333W i J

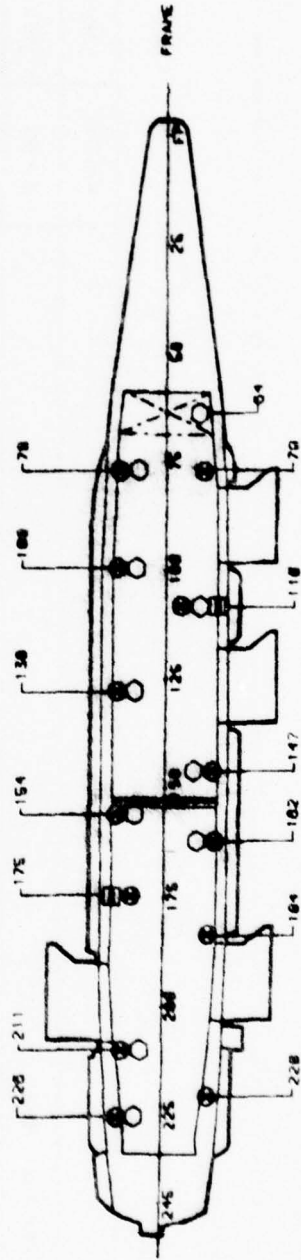
CV-66 USS AMERICA

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			
1	440 VAC 60Hz, 3PH, 2S AMP	21	10
2	440 VAC, 60Hz, 3PH, 00 AMP	NONE	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	10	13
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 000 to 000 A Inter	NONE	NONE
3	28 5 VDC, 000 AMP Cont, 000 to 000 A Inter	NONE	NONE
4	28 5 VDC, 300 AMP cont, 050 to 1000 A Inter	0	2
5	28 5 VDC, 050 AMP Cont, 050 to 1000 A Inter	NONE	NONE

CV-66 AMERICA A/C START AND SUPPORT EQUIPMENT SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
○ 440VAC, 60HZ, 3PH, 25AMP
● 440VAC, 60HZ, 3PH, 100AMP
■ 20 5VDC, 1000AMP CONT DC
□ RECEIVED

CV-66 USS AMERICA

AVIATION FUEL SERVICE

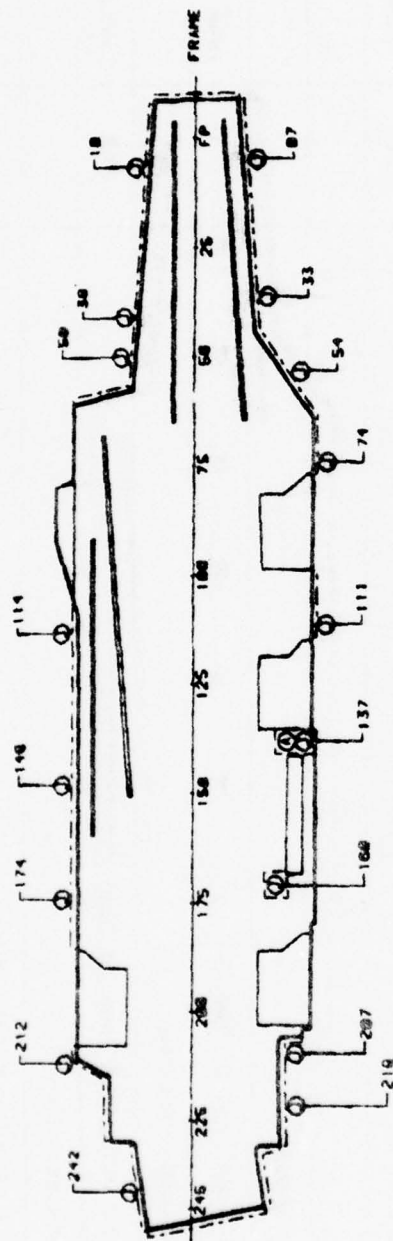
AVIATION GASOLINE AND JP-5

		AV/GAS	JP-5
1 CAPACITY GAL. 95%		9,483	1,877,078
2 SERVICE OUTLETS		FLT OK 1 HGR OK 1	FLT OK 17 HGR OK 8
3 HOSES PER OUTLET	NOTE 2	FLT OK 2 HGR OK 1	FLT OK 3 HGR OK 1
4 SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 1	98/35	288/35
a. TWO OUTLETS OPERATING		98/35	288/35
b. FOUR OUTLETS OPERATING		N/A	288/35
c. SIX OUTLETS OPERATING		N/A	288/35
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM		58	100
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM		25	25

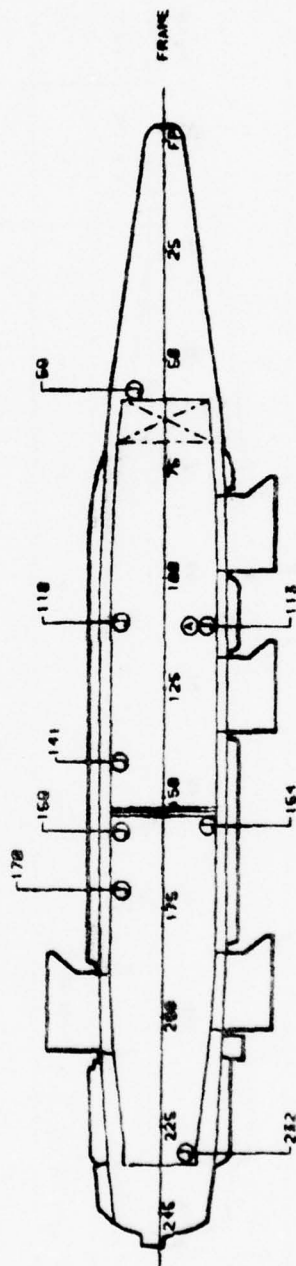
NOTES

- 1-1/2" hose AV/GAS, 2-1/2" JP-5
- AV/GAS From 111 SIBO HGR OK 1e & 2 hose station

CV-66 AMERICA AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

CV-66 USS AMERICA

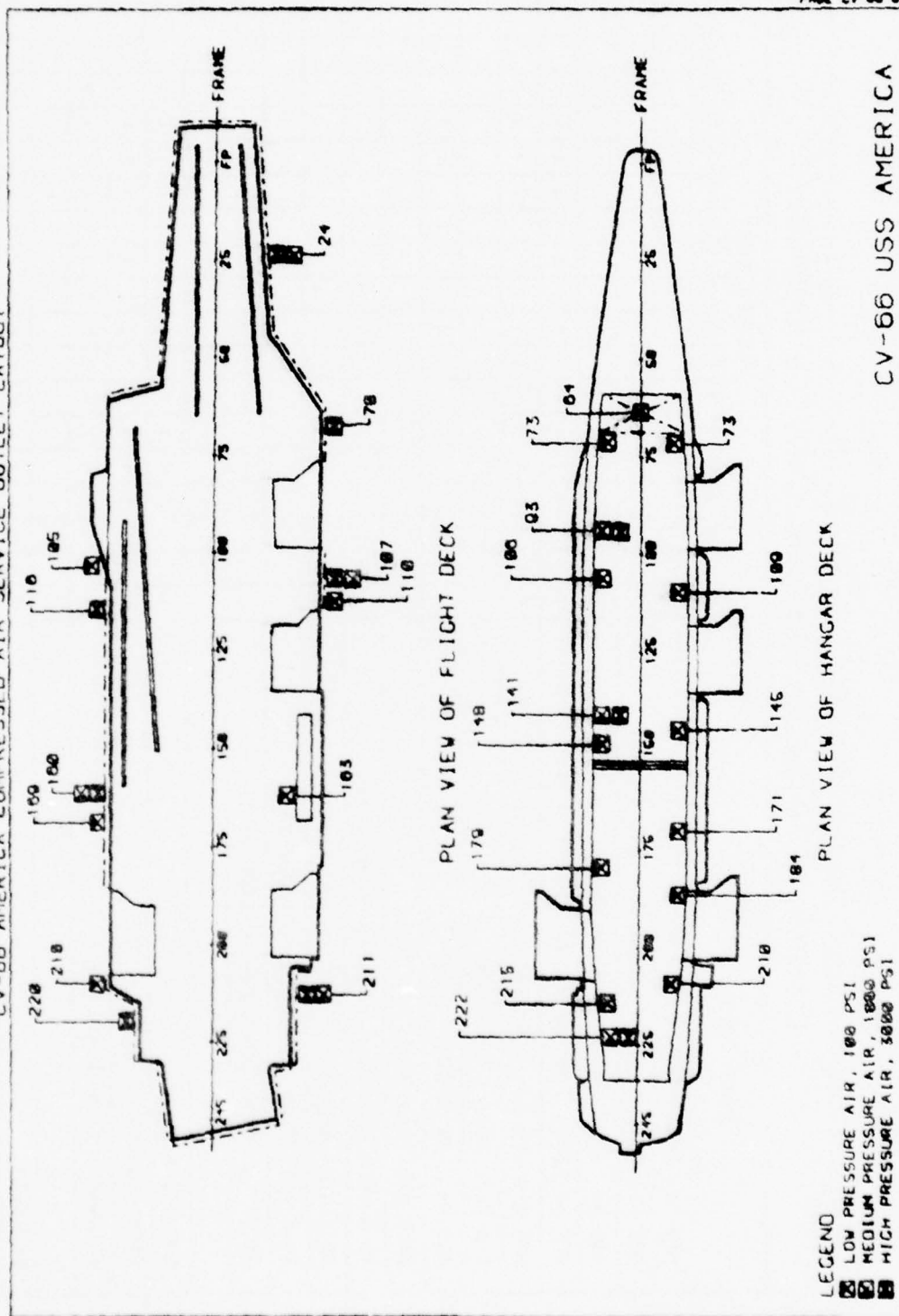
LEGEND
 (A) AV/GAS
 (P) JP-5
 (I) INCESSSED

COMPRESSED AIR SERVICE SUMMARY

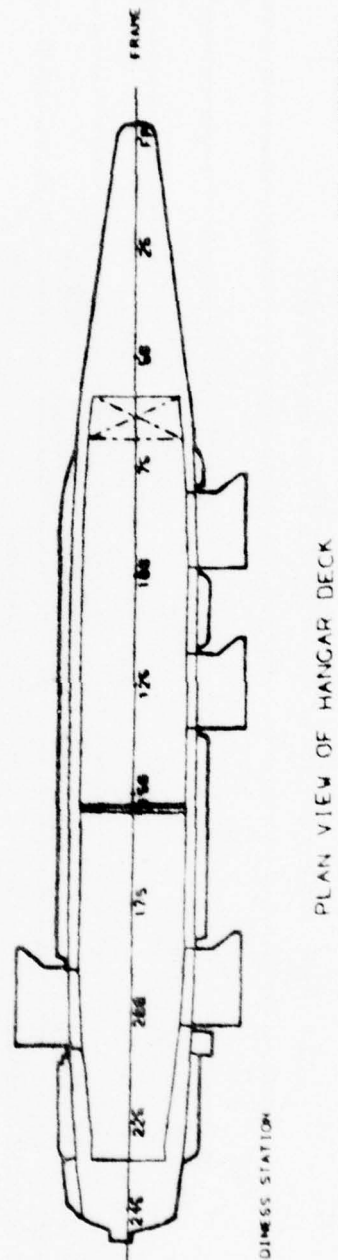
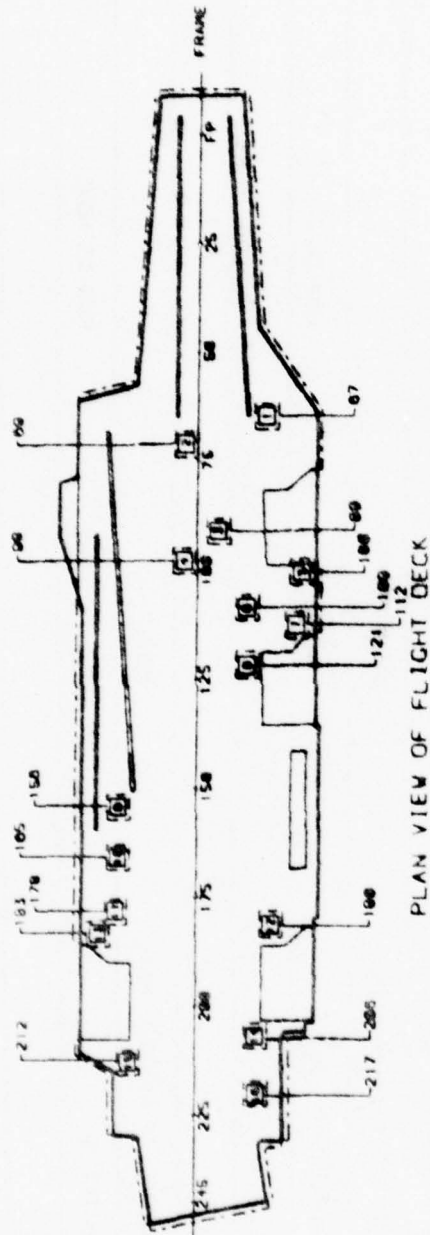
COMPRESSED AIR

LOW PRESSURE	FLT DK	HCR DK
1 SERVICE OUTLETS @ 100 PSI	5	12
REDUCED PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1800 PSI	4	3
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1800 to 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	7	3
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

CV-66 AMERICA COMPRESSED AIR SERVICE OUTLET LAYOUT



CV-66 AMERICA COMBAT READINESS STATION LAYOUT

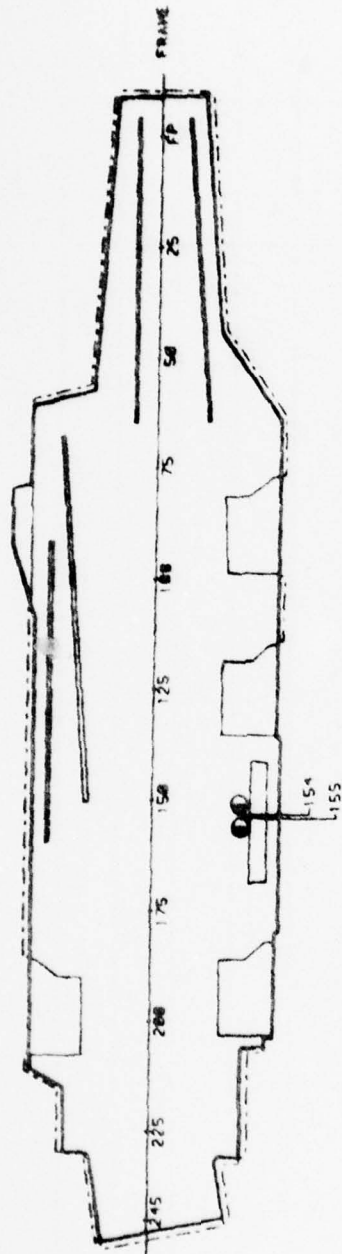


LEGEND
☐ COMBAT READINESS STATION
☐ RECESSED

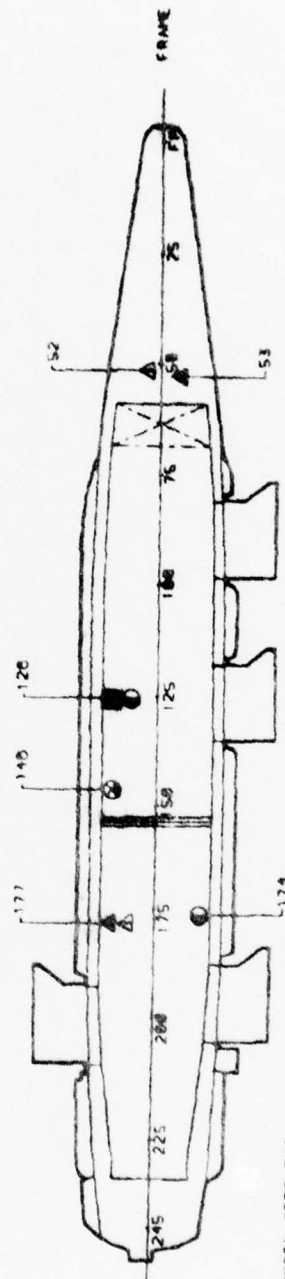
CV-66 USS AMERICA

OXYGEN AND NITROGEN SERVICE SUMMARY				
OXYGEN				
1 STORAGE CAPACITY, LIQUID GALS	1500			
2 GENERATING CAPACITY GPH	35			
3 SERVICE OUTLETS, LIQUID	FLT DK NONE	HGR DK 2		
4 SERVICE OUTLETS, GASEOUS	FLT DK NONE	HGR DK 2 ^d		
NITROGEN (OIL FREE)				
1 STORAGE CAPACITY @ 5000 PSI	80 cu ft			
2 SERVICE OUTLETS	FLT DK 2 ^f	HGR DK 2 ^f , 1 ^h , 1 ^h		
NITROGEN				
1 STORAGE CAPACITY @ 3000 PSI	NONE			
2 SERVICE OUTLETS	FLT DK NONE	HGR DK NONE		
NOTES: PRESSURES (PSI)				
a 1500 c 2000 e 2000 - 3000 g 3500 i 5000				
b 1000 d 2500 f 3000 h 500				

CV-66 AMERICA OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

CV-66 USS AMERICA

- LEGEND
- ▲ GASEOUS OXYGEN 2600 PSI
 - LIQUID OXYGEN
 - GASEOUS NITROGEN 5000 PSI
 - GASEOUS NITROGEN 3000 PSI
 - GASEOUS NITROGEN TIRE CHARGING 500 PSI

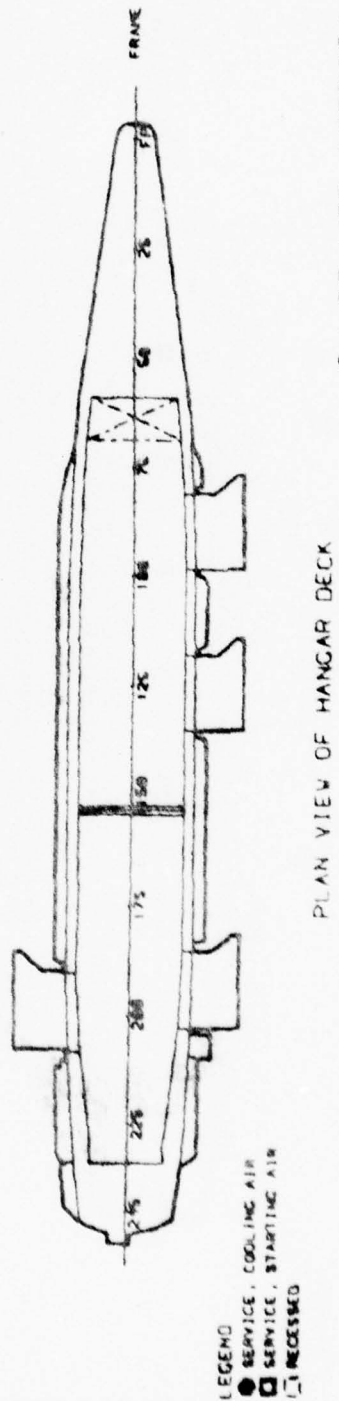
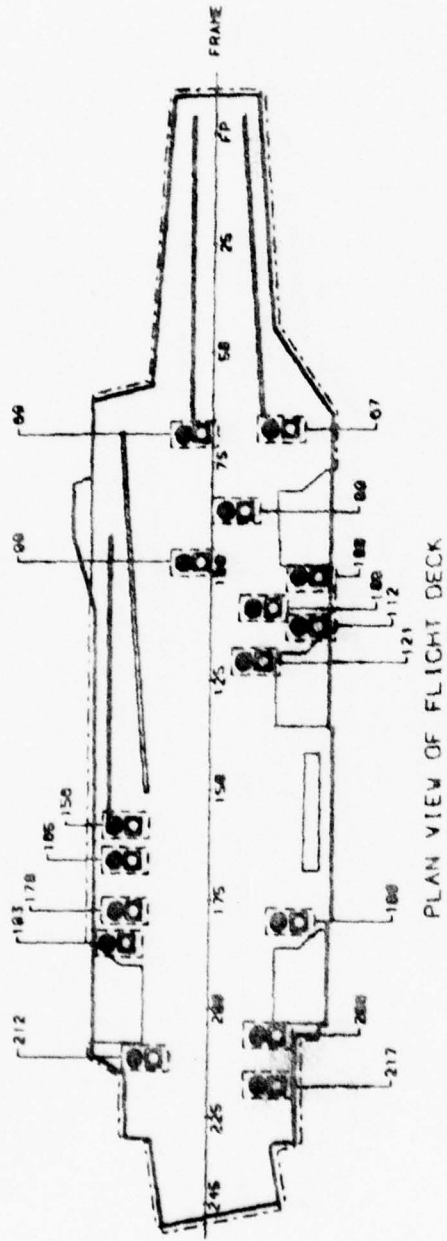
AIRCRAFT INERTIAL ALIGNMENT
OUTLET BOX SUMMARY

AIRCRAFT INERTIAL ALIGNMENT SYSTEM

[illegible]

COOLING AND STARTING AIR OUTLET SUMMARY					
COOLING AIR					
1. OUTLET CAPACITY	58 PPM, 3.5 PSIG, 50° F				
2. SERVICE OUTLETS	FLT DK 16		HCR DK NONE		
STARTING AIR					
1. OUTLET CAPACITY	RATIO 3 2 10 1 5 5 10 1	FLOW 120 PPM 100 PPM 105 PPM	PRESSURE 48-52 PSIA 75-85 PSIA 75-85 PSIA	TEMP 240-280° F 475° F 250° F	
2. SERVICE OUTLETS	FLT DK 16		HCR DK NONE		

CV-66 AMERICA COOLING AND STARTING AIR SERVICE OUTLET LAYOUT



LEGEND
 ● SERVICE, COOLING AIR
 □ SERVICE, STARTING AIR
 [] RECESSED

CV-66 USS AMERICA

CATEGORY	PAGE	NO.
1 Aircraft Electrical Service Outlet Summary (400 Hz)	1	
Aircraft Electrical Service Outlet Layout (400 Hz)	2	
2 Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3	
Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4	
3 Aviation Fuel Service Summary	5	
Aviation Fuel Service Outlet Layout	6	
4 Compressed Air Service Summary	7	
Compressed Air Service Outlet Layout	8	
5 Combat Readiness Station Service Summary	9	
Combat Readiness Station Layout	10	
6 Oxygen and Nitrogen Service Summary	11	
Oxygen and Nitrogen Service Outlet Layout	12	
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Aircraft Inertial Alignment Outlet Box Layout	14	
8 Aircraft Cooling and Starting Air Outlet Summary	15	
Aircraft Cooling and Starting Air Outlet Layout	16	

LATEST CHECK - AUGUST 1974

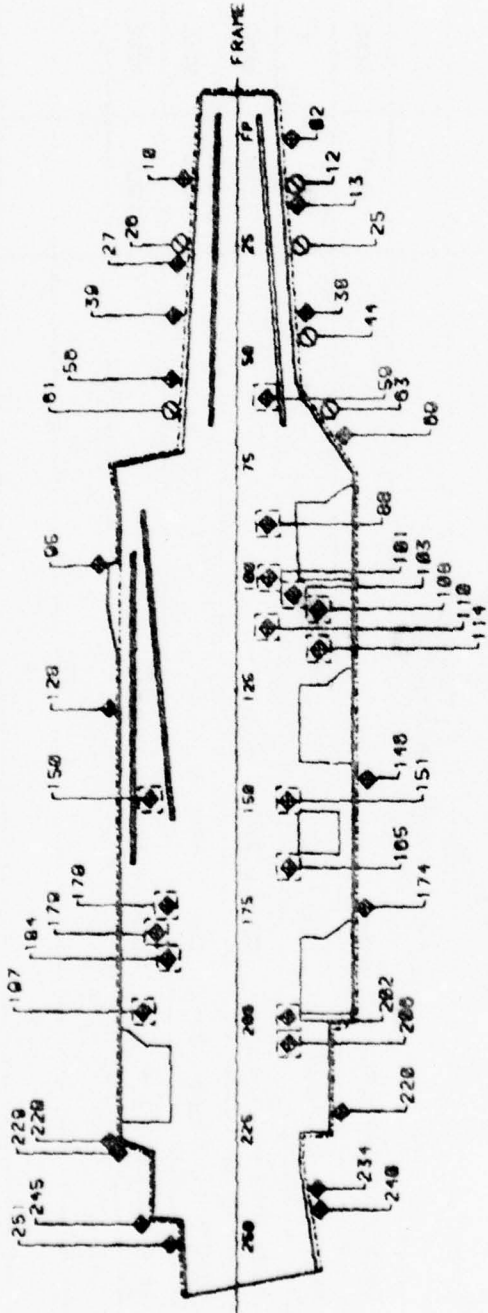
USS ENTERPRISE

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

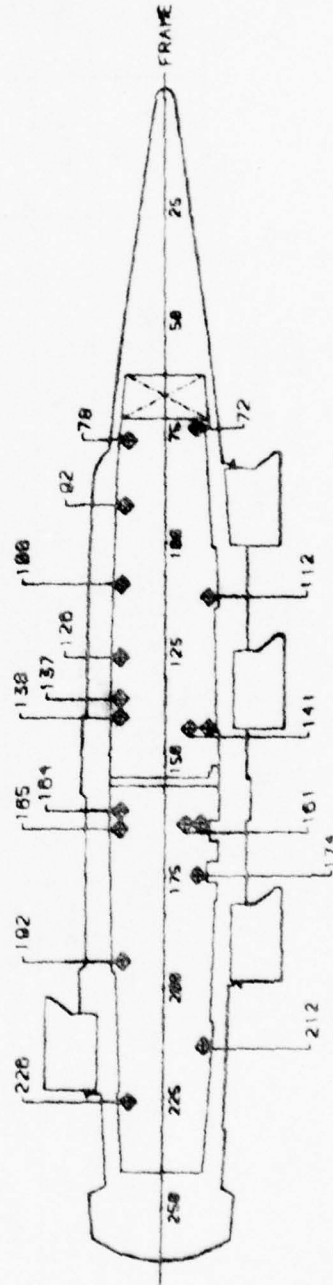
420HZ AIRCRAFT SERVICE

SERVICE OUTLETS	FLT DK	MCR DK
1 400Hz ,3PH ,115/200 VAC ,50KVA ,Type I	6	NONE
2 400Hz ,3PH ,115/200 VAC ,30KVA ,Type III	NONE	NONE
3 400Hz ,3PH ,115/200 VAC ,60KVA ,Type I	NONE	NONE
4 400Hz ,3PH ,115/200 VAC ,60KVA ,Type III	35	18

CV(N)-85 ENTERPRISE AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

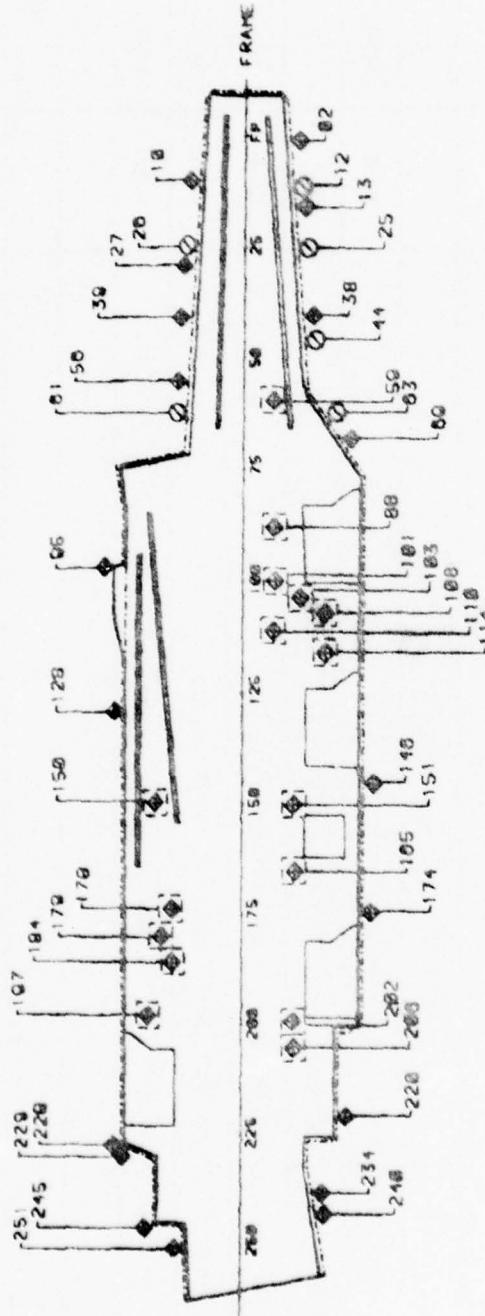
LEGEND

- ① 400-HZ, 3PH, 115/200VAC, 30KVA, TYPE I
◆ 400-HZ, 3PH, 115/200VAC, 60KVA, TYPE I
[] RECESSED

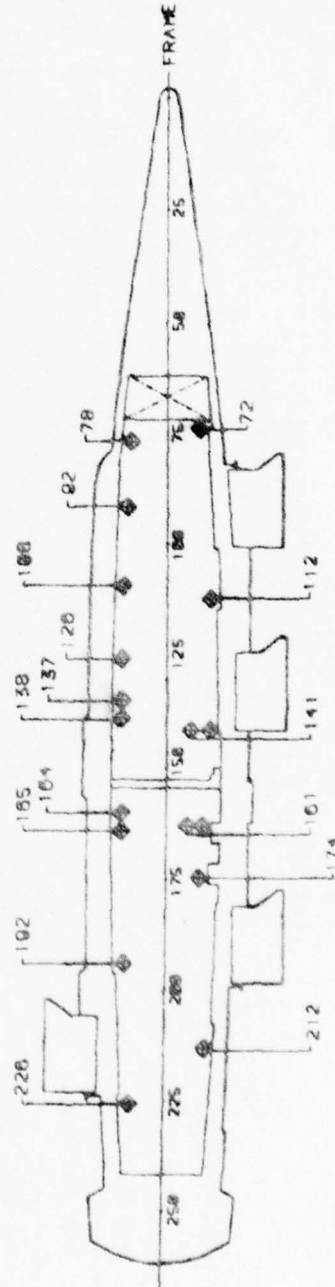
CV(N)-65 USS ENTERPRISE

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			
1	440 VAC 60Hz, 3PH, 25 AMP	21	15
2	440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	18	10
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP CONTINUOUS	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 500 to 900 A Inter	4	1
3	28 5 VDC, 600 AMP Cont, 500 to 900 A Inter	NONE	NONE
4	28 5 VDC, 300 AMP cont, 650 to 1200 A Inter	NONE	NONE
5	28 5 VDC, 650 AMP Cont, 650 to 1200 A Inter	NONE	NONE

CV(N)-65 ENTERPRISE AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

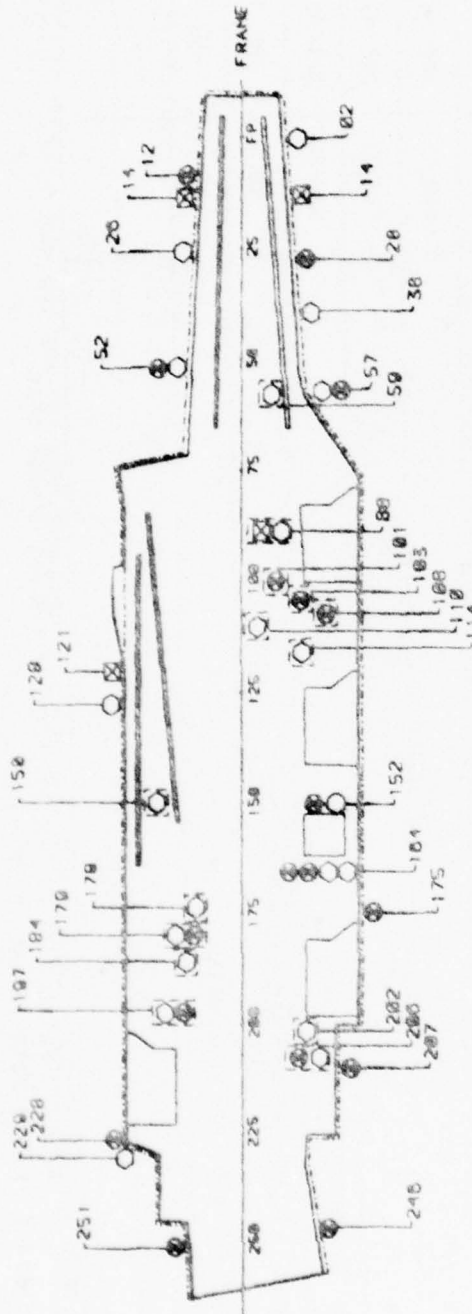
LEGEND

- 400-HZ, 3PH, 115/200VAC, 30KVA, TYPE I
- 400-HZ, 3PH, 115/200VAC, 60KVA, TYPE I
- RECESSED

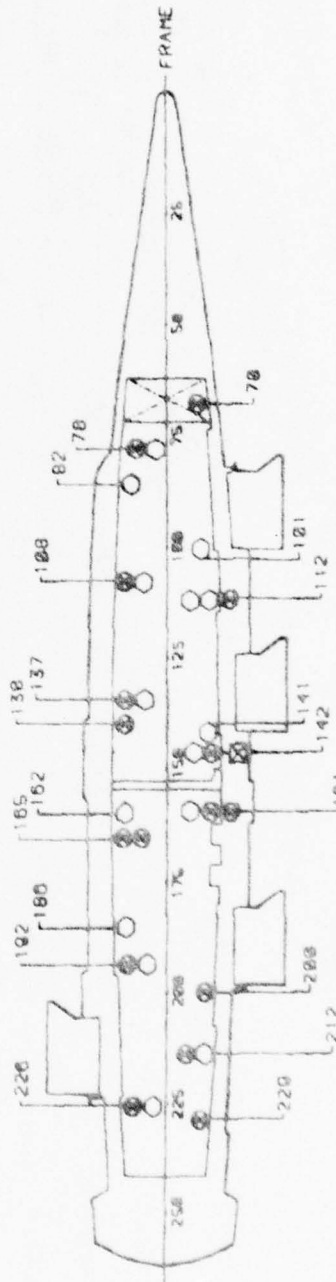
CV(N)-65 USS ENTERPRISE

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			
		FLT DK	HGR DK
1	440 VAC 60HZ, 3PH, 25 AMP	21	15
2	440 VAC, 60HZ, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60HZ, 3PH, 100 AMP	18	16
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 600 to 900 A Inter	4	1
3	28 5 VDC, 600 AMP Cont, 600 to 900 A Inter	NONE	NONE
4	28 5 VDC, 300 AMP cont, 650 to 1000 A Inter	NONE	NONE
5	28 5 VDC, 650 AMP Cont, 650 to 1000 A Inter	NONE	NONE

CVINJ-65 ENTERPRISE A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ 440VAC, 60HZ, 3PH, 25 AMP
 ⊗ 440VAC, 60HZ, 3PH, 100AMP
 ⊙ 28 VDC, 300AMP CONT 060-002A INTER
 □ RECESSED

CVINJ-65 USS ENTERPRISE

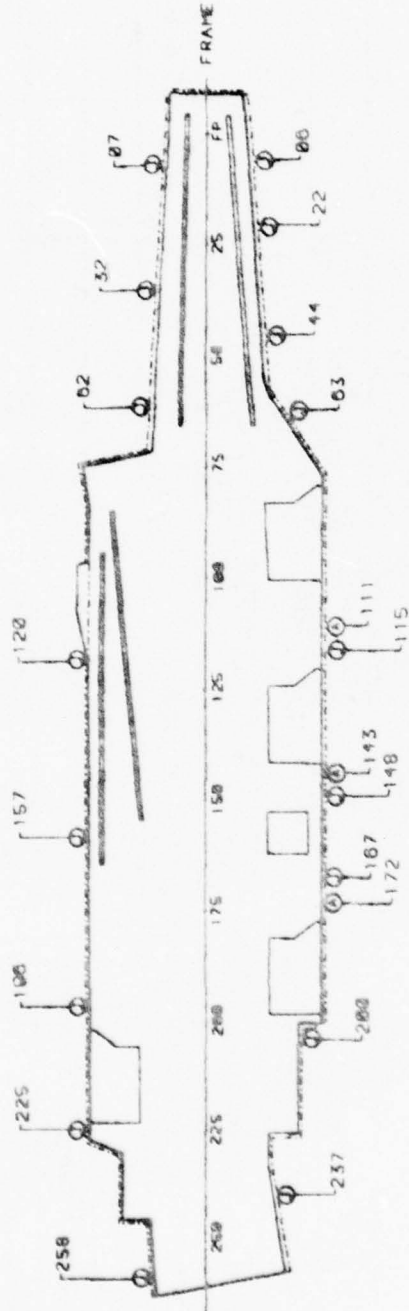
AVIATION FUEL SERVICE

AVIATION GASOLINE AND JP-5

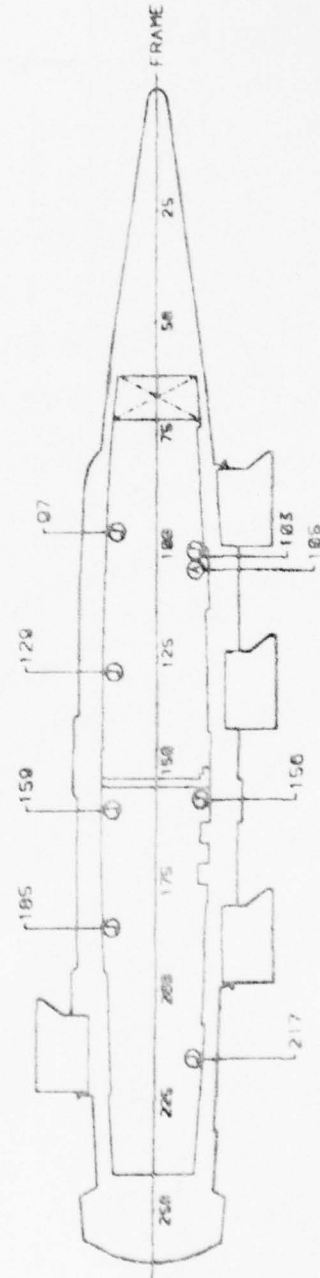
	AV/GAS	JP-5
1 CAPACITY GAL Q5X	Q5, Q50	2, 203, 1037
2 SERVICE OUTLETS	FLT DK 3 HGR DK 1	FLT DK 17 HGR DK 7
3 HOSES PER OUTLET	1	4 (NOTE 1)
4 SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 2	100/35 200/45
a TWO OUTLETS OPERATING		100/35 200/45
b FOUR OUTLETS OPERATING		100/35 200/45
c SIX OUTLETS OPERATING		100/35 200/45
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	50	100
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM	25	25

NOTES NOTE 1 JP-5 STAS, FLT DK, PORT FR 120, 157, 188, STBD 148, AND 187 ARE TWO HOSE STAS
JP-5 STAS, FLT DK, PORT FR 226 AND STBD FR 115 ARE 3 HOSE STAS
NOTE 2 1 1/2" HOSE AV/GAS, 5-1/2" HOSE JP-5

CV(N)-65 ENTERPRISE AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ AV/GAS
 ⊙ JP-5

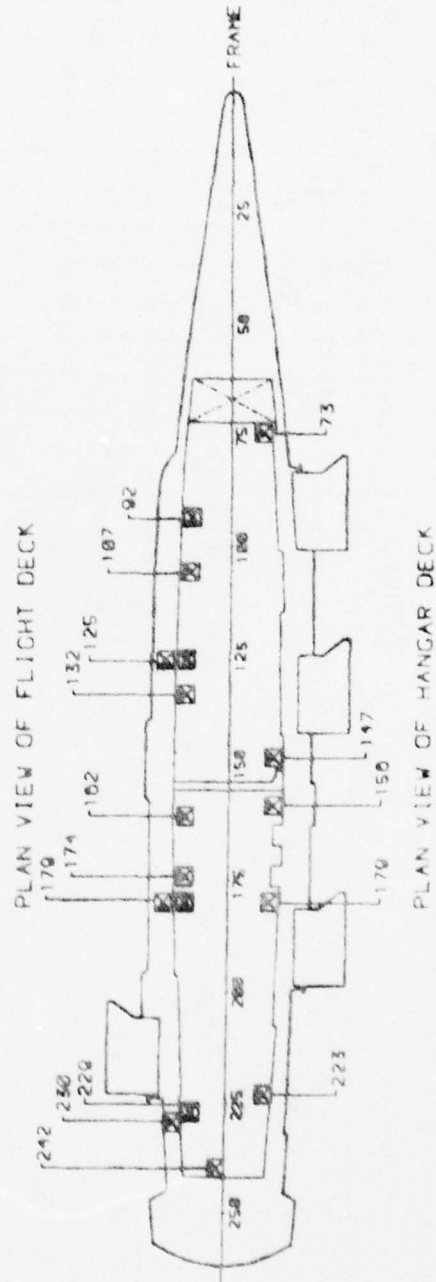
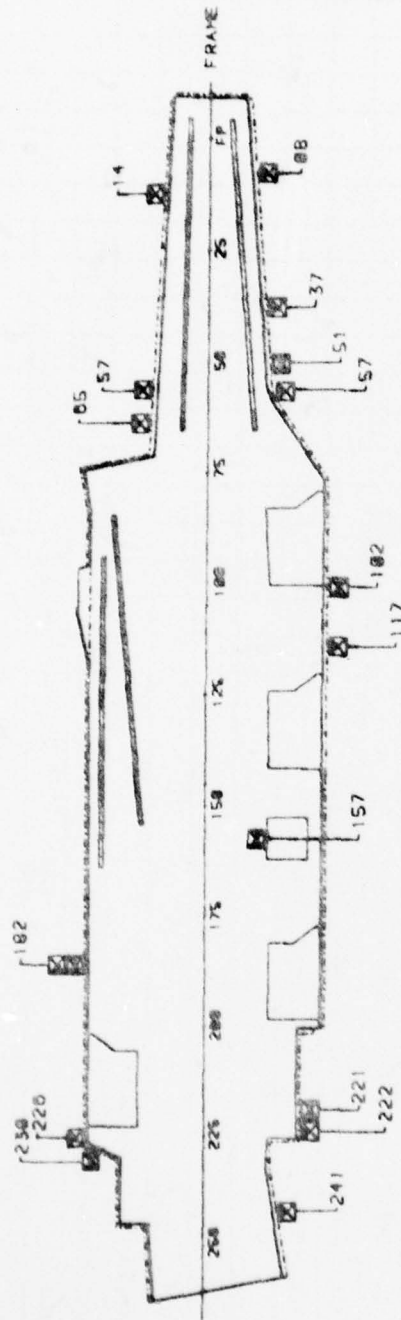
CV(N)-65 USS ENTERPRISE

COMPRESSED AIR SERVICE SUMMARY

COMPRESSED AIR

LOW PRESSURE	FLT OK	HGR OK
1 SERVICE OUTLETS @ 100 PSI	10	11
REDUCED PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1800 PSI	1	2
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1800 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	6	4
TIRE CHANGING AIR		
1 SERVICE OUTLETS @ 500 PSI	NONE	NONE

CVINJ-05 ENTERPRISE COMPRESSED AIR SERVICE OUTLET LAYOUT

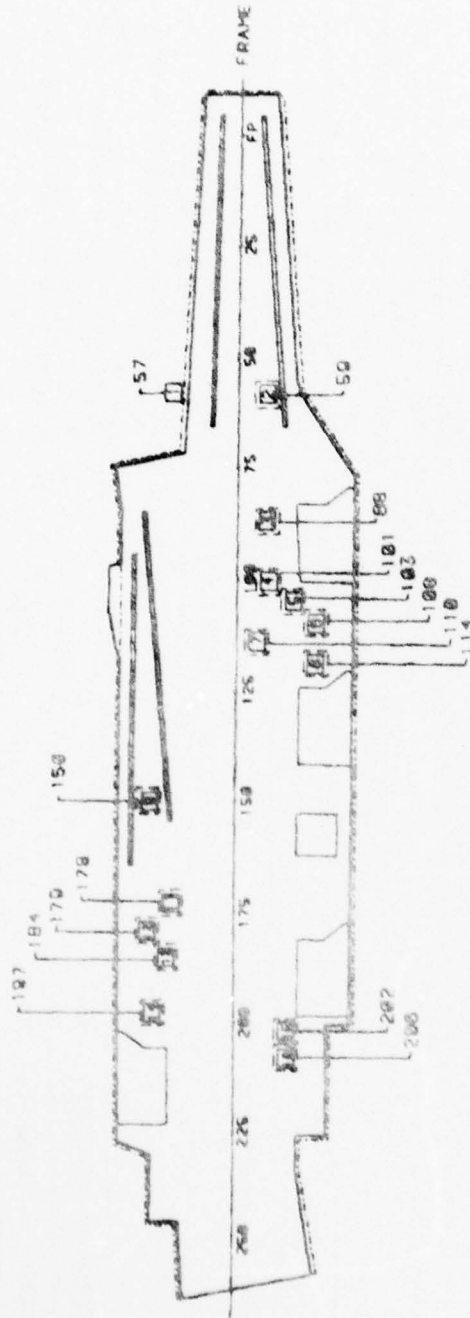


LEGEND

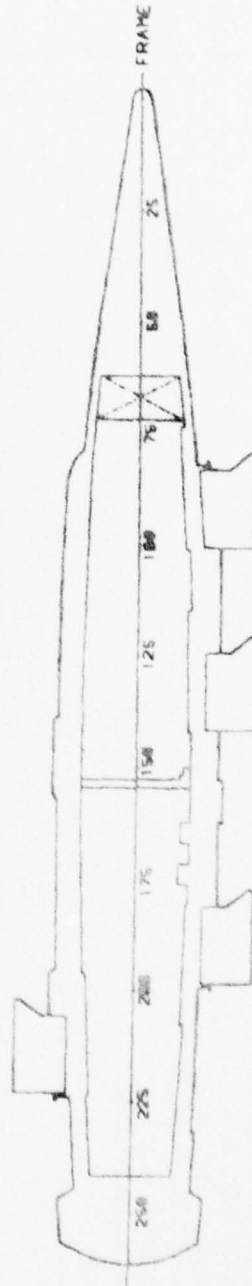
LOW PRESSURE AIR, 100 PSI
MEDIUM PRESSURE AIR, 1800 PSI
HIGH PRESSURE AIR, 3000 PSI

CV(N)-65 USS ENTERPRISE

CV(N)-65 ENTERPRISE COMBAT READINESS STATION LAYOUT



PLAN VIEW OF FLIGHT DECK



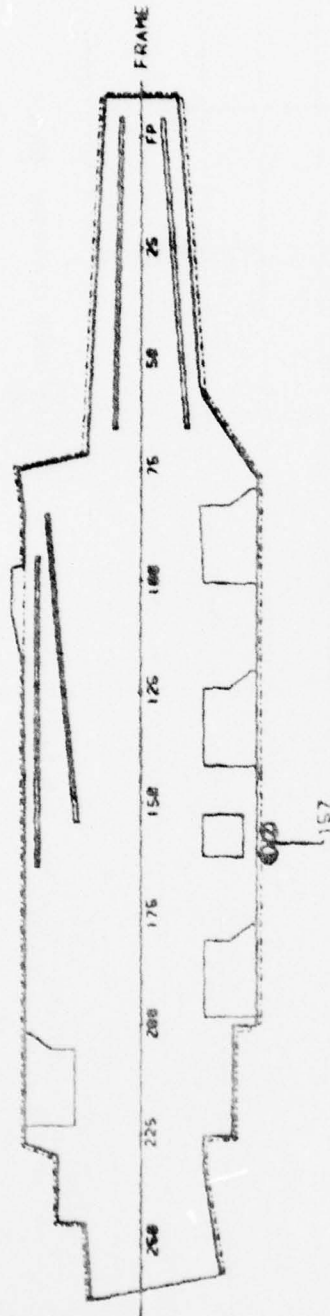
PLAN VIEW OF HANGAR DECK

LEGEND
 □ COMBAT READINESS STATION
 ○ RECESSED

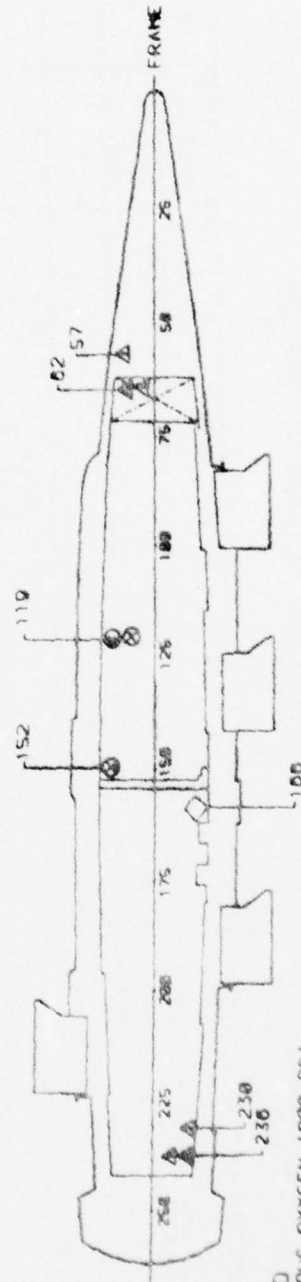
CV(N)-65 USS ENTERPRISE

OXYGEN AND NITROGEN SERVICE SUMMARY			
OXYGEN			
1 STORAGE CAPACITY, LIQUID GALS	1,500		
2 GENERATING CAPACITY GPH	30		
3 SERVICE OUTLETS, LIQUID	FLT DK NONE	HGR DK 2	
4 SERVICE OUTLETS, GASEOUS	FLT DK NONE	HGR DK 2 ^a , 2 ^d	
NITROGEN (OIL FREE)			
1 STORAGE CAPACITY @ 5000 PSI	84.5 cu ft - 2000 Gal	Liquid	
2 SERVICE OUTLETS	FLT DK 1 ^c , 1 ^f	HGR DK 1 ^a , 1 ^f , 1 ^g	
NITROGEN			
1 STORAGE CAPACITY @ 3000 PSI	NONE		
2 SERVICE OUTLETS	FLT DK NONE	HGR DK NONE	
NOTES PRESSURES (PSI)			
a 1000 c 2000 e 2000 - 3000 g 3500 i 5000			
b 1000 d 2000 f 3000 h 500			

CV(N)-65 ENTERPRISE OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- △ GASEOUS OXYGEN 1800 PSI
 - △ GASEOUS OXYGEN 2000 PSI
 - △ LIQUID OXYGEN
 - △ GASEOUS NITROGEN 1800 PSI
 - △ GASEOUS NITROGEN 2000 PSI
 - △ GASEOUS NITROGEN 3000 PSI
 - ◇ GASEOUS NITROGEN TIRE CHARGING AIR 500 PSI
 - ◇ GASEOUS NITROGEN 3500 PSI

CV(N)-65 USS ENTERPRISE

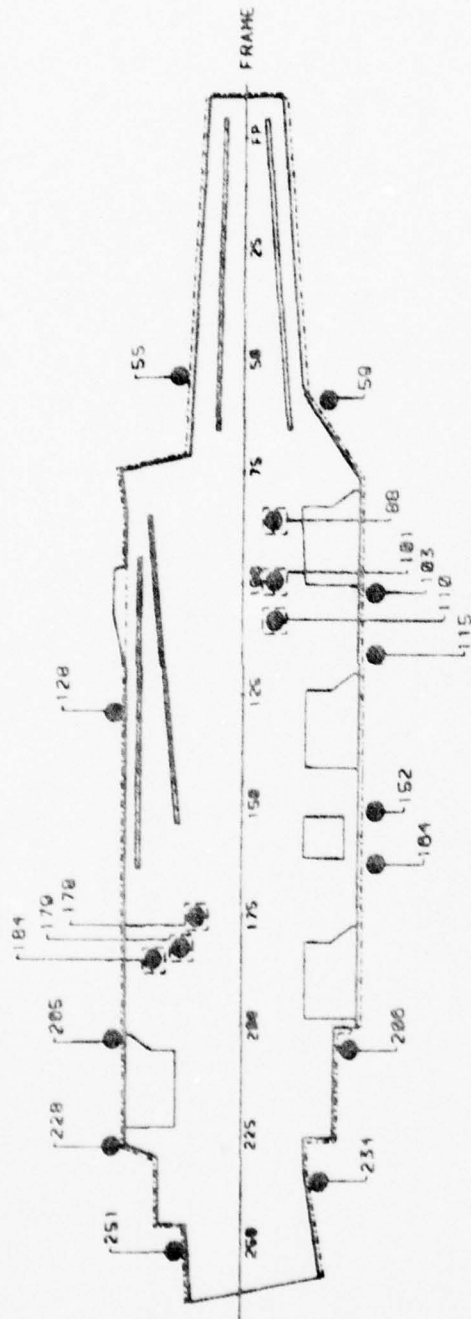
AIRCRAFT INERTIAL ALIGNMENT
OUTLET BOX SUMMARY

AIRCRAFT INERTIAL ALIGNMENT SYSTEM

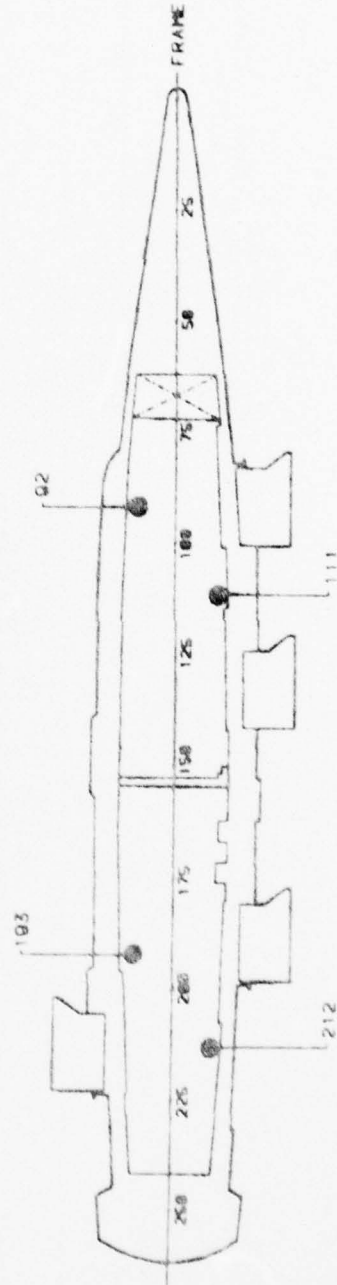
[illegible]

NOTE: RECESSED OUTLETS FR NO 101, 110 STD & FR NO 170, 170, 184 PORT ALIGNMENT BOXES ARE NOT IN HATCH, CABLES ARE RUN FROM COMPARTMENTS ON 03 LEVEL

CV(N)-65 ENTERPRISE AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
● ALIGNMENT OUTLET BOX (ANALOG/DIGITAL)
┌ RECESSED

CV(N)-65 USS ENTERPRISE

COOLING AND STARTING AIR OUTLET SUMMARY

COOLING AIR

1 OUTLET CAPACITY

SEE NOTE

2 SERVICE OUTLETS

FLT DK 15

HCR DK NONE

STARTING AIR

1 OUTLET CAPACITY

SEE NOTE

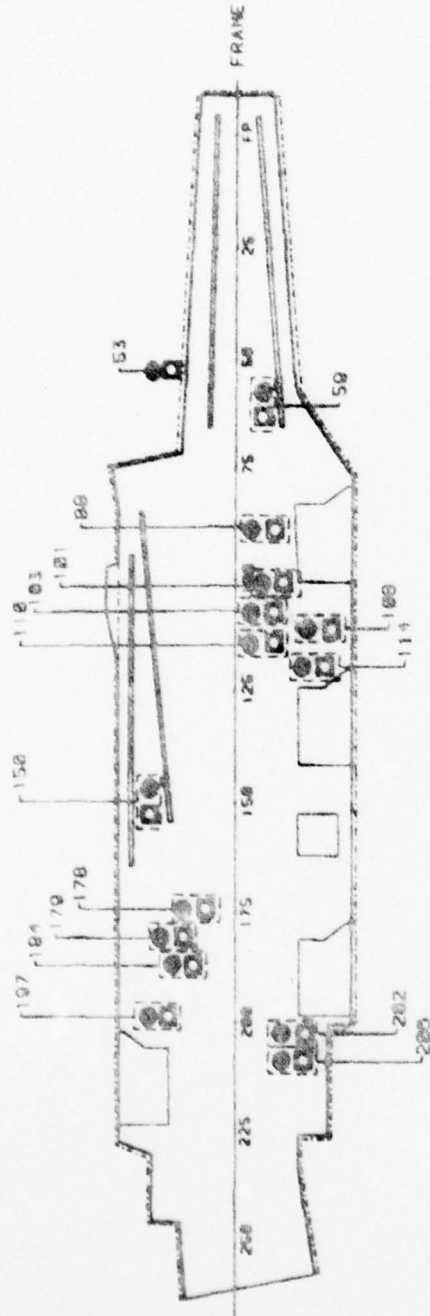
2 SERVICE OUTLETS

FLT DK 15

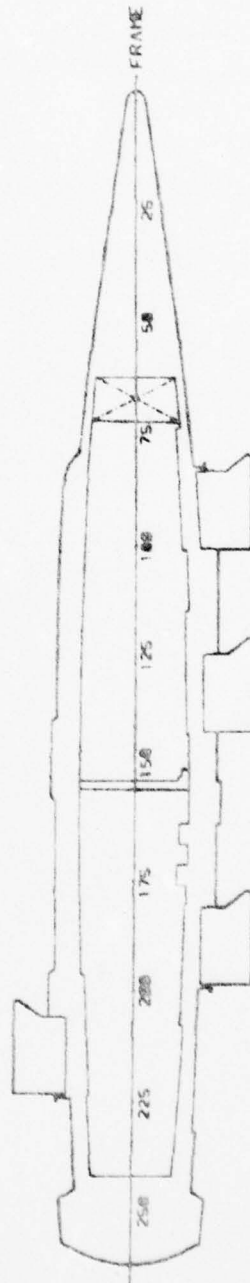
HCR DK NONE

NOTE AIR START/COOLING SYSTEM IS OUT OF COMMISSION INDEFINITELY

CV(N)-65 ENTERPRISE COOLING AND STARTING AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- SERVICE, COOLING AIR
 - SERVICE, STARTING AIR
 - RECESSED

CV(N)-65 USS ENTERPRISE

CATEGORY

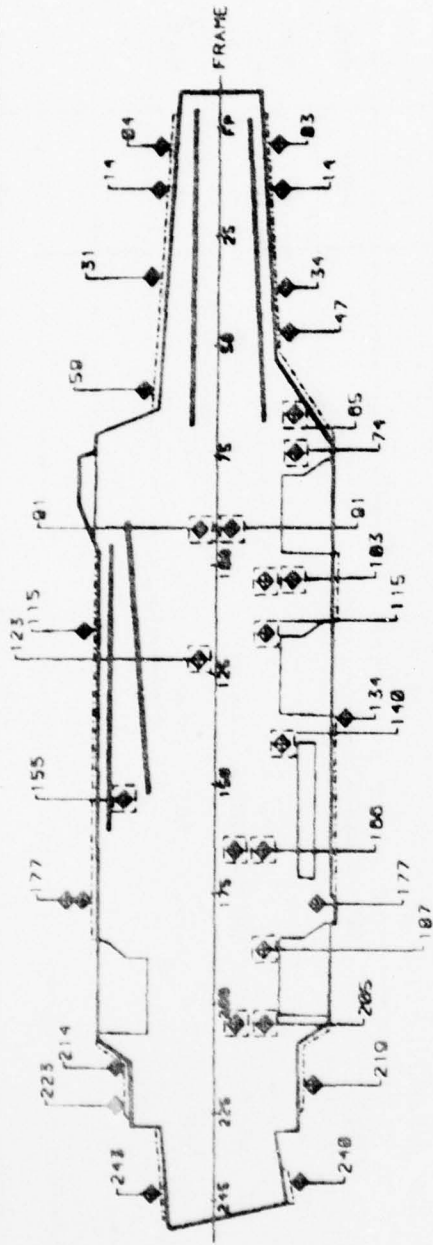
PAGE NO.

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
3	Aviation Fuel Service Summary	5
	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary	7
	Compressed Air Service Outlet Layout	8
5	Combat Readiness Station Service Summary	N/A
	Combat Readiness Station Layout	N/A
6	Oxygen and Nitrogen Service Summary	11
	Oxygen and Nitrogen Service Outlet Layout	12
7	Aircraft Inertial Alignment Outlet Box Summary	13
	Aircraft Inertial Alignment Outlet Box Layout	14
8	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

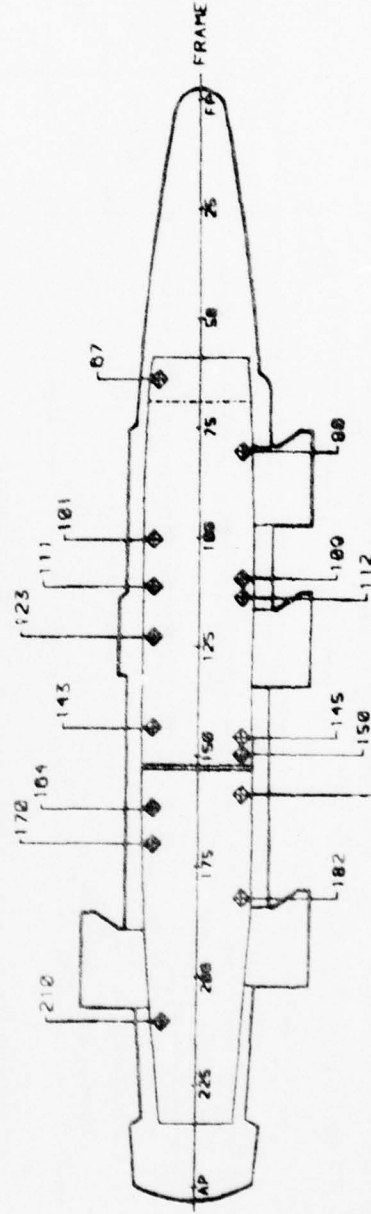
LATEST CHECK - AUG 1978

USS CONSTELLATION

CV-64 CONSTELLATION AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

◆ 400HZ, 3PH, 115/200VAC, 60KVA, TYPE III
└─ RECESSED

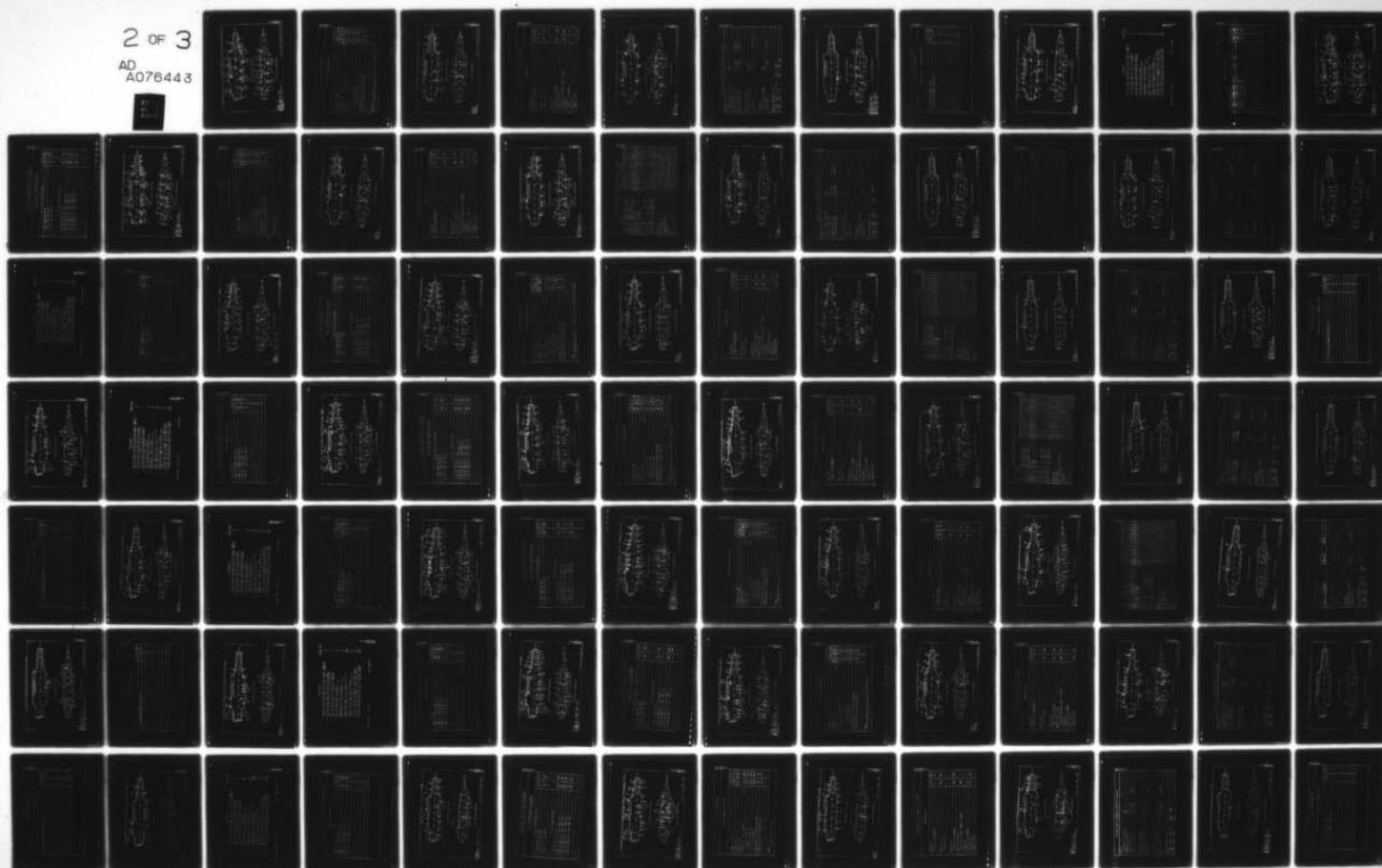
CV-64 USS CONSTELLATION

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE		FLT DK	HCR DK
1	440 VAC 60HZ, 3PH, 25 AMP	17	9
2	440 VAC, 60HZ, 3PH, 80 AMP	NONE	NONE
3	440 VAC, 60HZ, 3PH, 1000 AMP	18	11
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 600 to 900 A Inter	NONE	NONE
3	28 5 VDC, 600 AMP Cont, 600 to 900 A Inter	NONE	NONE
4	28 5 VDC, 300 AMP cont, 850 to 1000 A Inter	3	2
5	28 5 VDC, 650 AMP Cont, 650 to 1000 A Inter	NONE	NONE

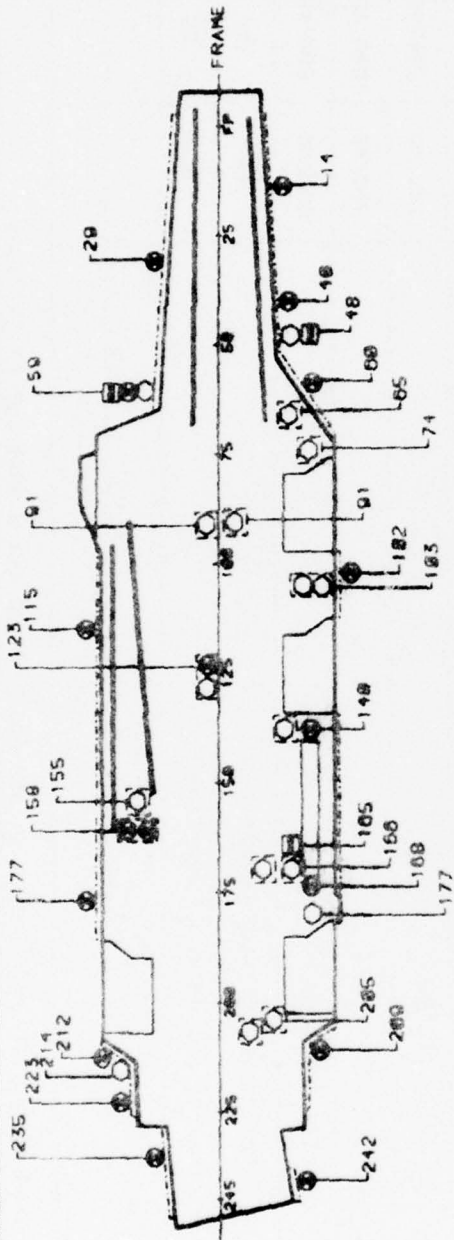
AD-A076 443 NAVAL AIR ENGINEERING CENTER LAKEHURST NJ ENGINEERING--ETC F/G 1/3
COMPILATION OF DATA COVERING AIRCRAFT SERVICING FACILITIES ABOA--ETC(U)
OCT 79 M A STRANO
UNCLASSIFIED NAEC-ENG-6703-REV-15 NL

2 OF 3

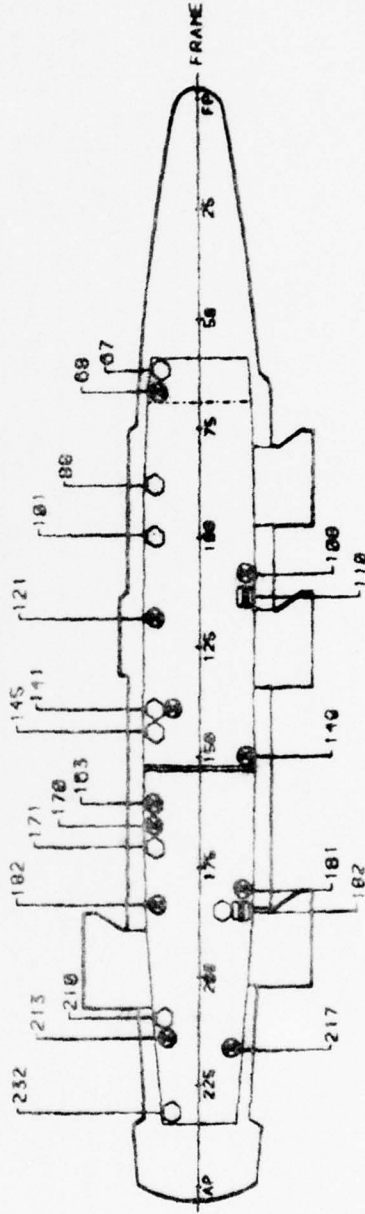
AD
A076443



CV-64 CONSTELLATION A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

440VAC, 60HZ, 3PH, 25AMP

440VAC, 60HZ, 3PH, 100AMP
20 5VDC 300AMP CONT 050

20 5VDC, 300AMP CONT 650-1000A INTER
UNRECEIVED

03883301

CV-64 USS CONSTELLATION

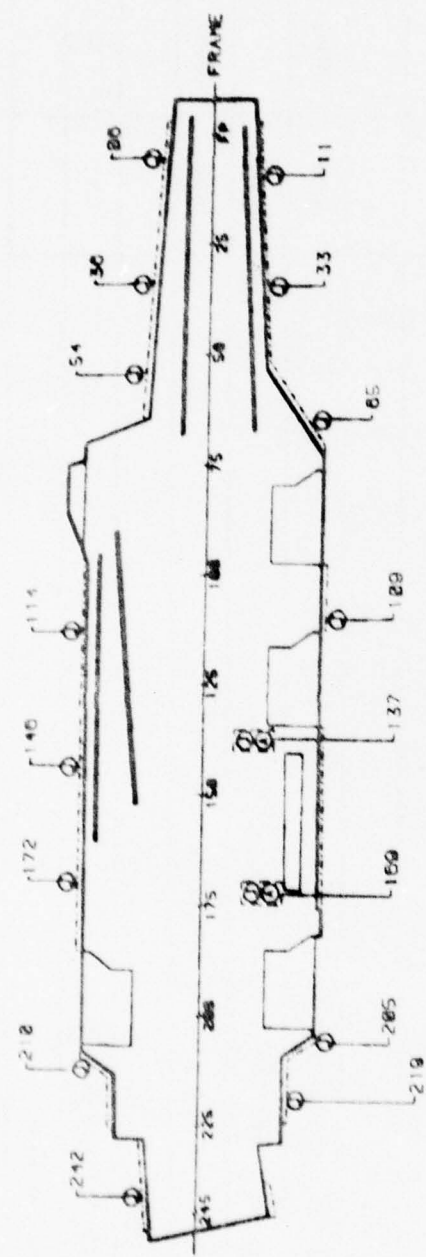
AVIATION FUEL SERVICE

AVIATION GASOLINE AND JP-5

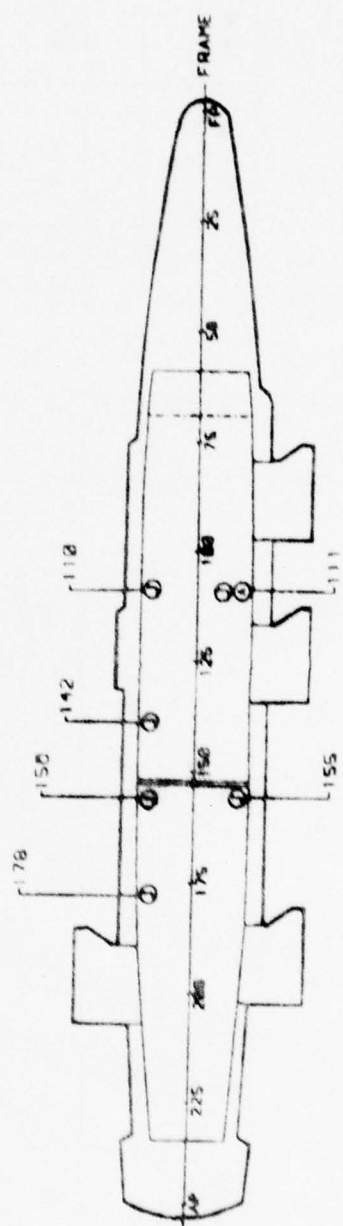
	AV/GAS	JP-5
1 CAPACITY GAL 95X	18,000	1,700,000
2 SERVICE OUTLETS	FLT DK 2 HCR DK 1	FLT DK 16 HCR DK 6
3 HOSES PER OUTLET	SEE NOTES	FLT DK 4 HCR DK 2
4 SERVICE OUTLET CAPACITY, GPM/PSI	200/40	200/40
a TWO OUTLETS OPERATING	200/40	200/40
b FOUR OUTLETS OPERATING	200/40	200/40
c SIX OUTLETS OPERATING	200/40	200/40
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	100	100
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM	25	25

NOTES
1 JP-5 FLIGHT DECK STATIONS SIBO FR 33 AND PORT FR 172 ARE 3 HOSE OUTLET STATIONS
2 1 1/2" HOSE AV/GAS 2 1/2" HOSE JP-5

CV-64 CONSTELLATION AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



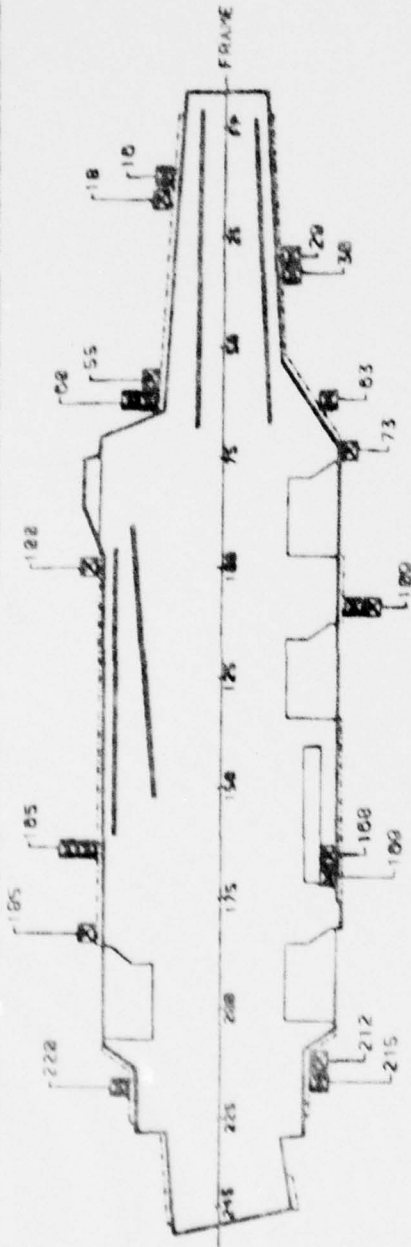
PLAN VIEW OF HANGAR DECK

- LEGEND
 ○ AV/CAS
 ● JP-5
 □ RECESSED

CV-64 USS CONSTELLATION

COMPRESSED AIR SERVICE SUMMARY			
COMPRESSED AIR			
LOW PRESSURE		FLT DK	HCR DK
1 SERVICE OUTLETS @ 125 PSI		8	17
REDUCED PRESSURE		NONE	NONE
1 SERVICE OUTLETS @			
MEDIUM PRESSURE			
1 SERVICE OUTLETS @ 1800 PSI		NONE	NONE
MEDIUM TO HIGH PRESSURE			
1 SERVICE OUTLETS @ 1800 TO 3000 PSI (VARIABLE)		NONE	NONE
HIGH PRESSURE			
1 SERVICE OUTLETS @ 3000 PSI		12	9
TIRE CHANGING AIR			
1 SERVICE OUTLETS @		NONE	NONE

CV-54 CONS - LATION COMPRESSED AIR SERVICE OUTLET LAYOUT



LEGEND

2005-06-18 12:25

HIGH PRESSURE AIR, 3200 PS

PLAN VIEW OF HANGAR DECK

CV-64 USS CONSTELLATION

OXYGEN AND NITROGEN SERVICE SUMMARY

OXYGEN

1 STORAGE CAPACITY, LIQUID GALS	1,500		
2 GENERATING CAPACITY GPH	22		
3 SERVICE OUTLETS, LIQUID	FLT DK NONE	HCR DK 2	
4 SERVICE OUTLETS, GASEOUS	FLT DK NONE	HCR DK 1 ⁰ ,1 ⁰	

NITROGEN (OIL FREE)

1 STORAGE CAPACITY @ 5000 PSI	60 CU FT		
2 SERVICE OUTLETS	FLT DK 1 ^f ,1 ^f	HCR DK 1 ⁰ ,1 ^f ,1 ^j ,1 ^j	

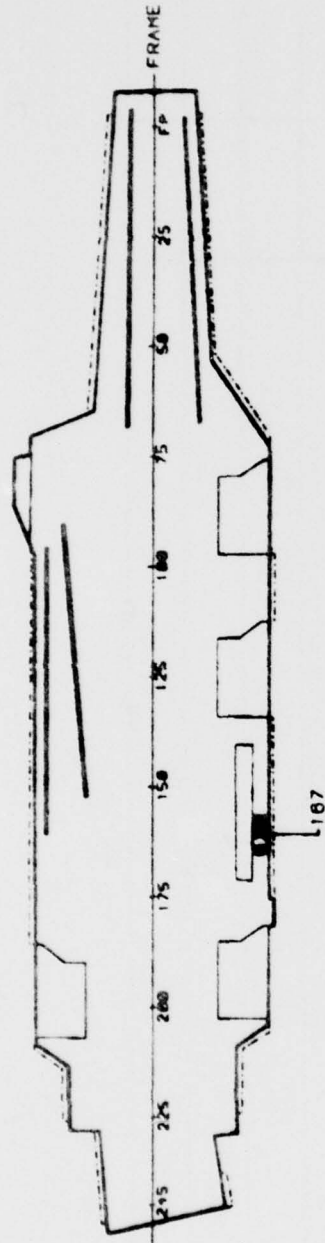
NITROGEN

1 STORAGE CAPACITY @ 3000 PSI	NONE		
2 SERVICE OUTLETS	FLT DK NONE	HCR DK NONE	

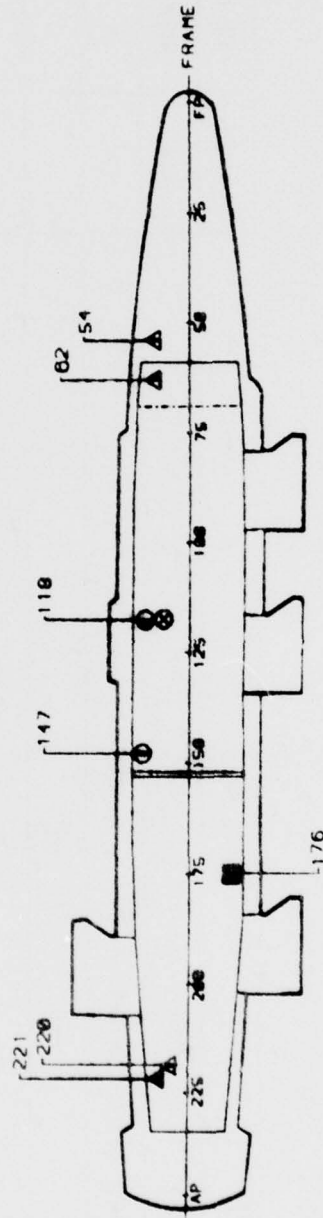
NOTES PRESSURES (PSI)

a 1000	c 2000	e 2000 - 3000	g 3500	i 5000
b 1000	d 2000	f 3000	h 500	j 1000 - 3000

CV-64 CONSTELLATION OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- ▲ GASEOUS OXYGEN 1800 PSI
 - ▲ GASEOUS OXYGEN 2000 PSI
 - ▲ LIQUID OXYGEN
 - GASEOUS NITROGEN 1800 PSI
 - GASEOUS NITROGEN 1800 3000 PSI
 - GASEOUS NITROGEN 3000 PSI
 - GASEOUS NITROGEN 5000 PSI

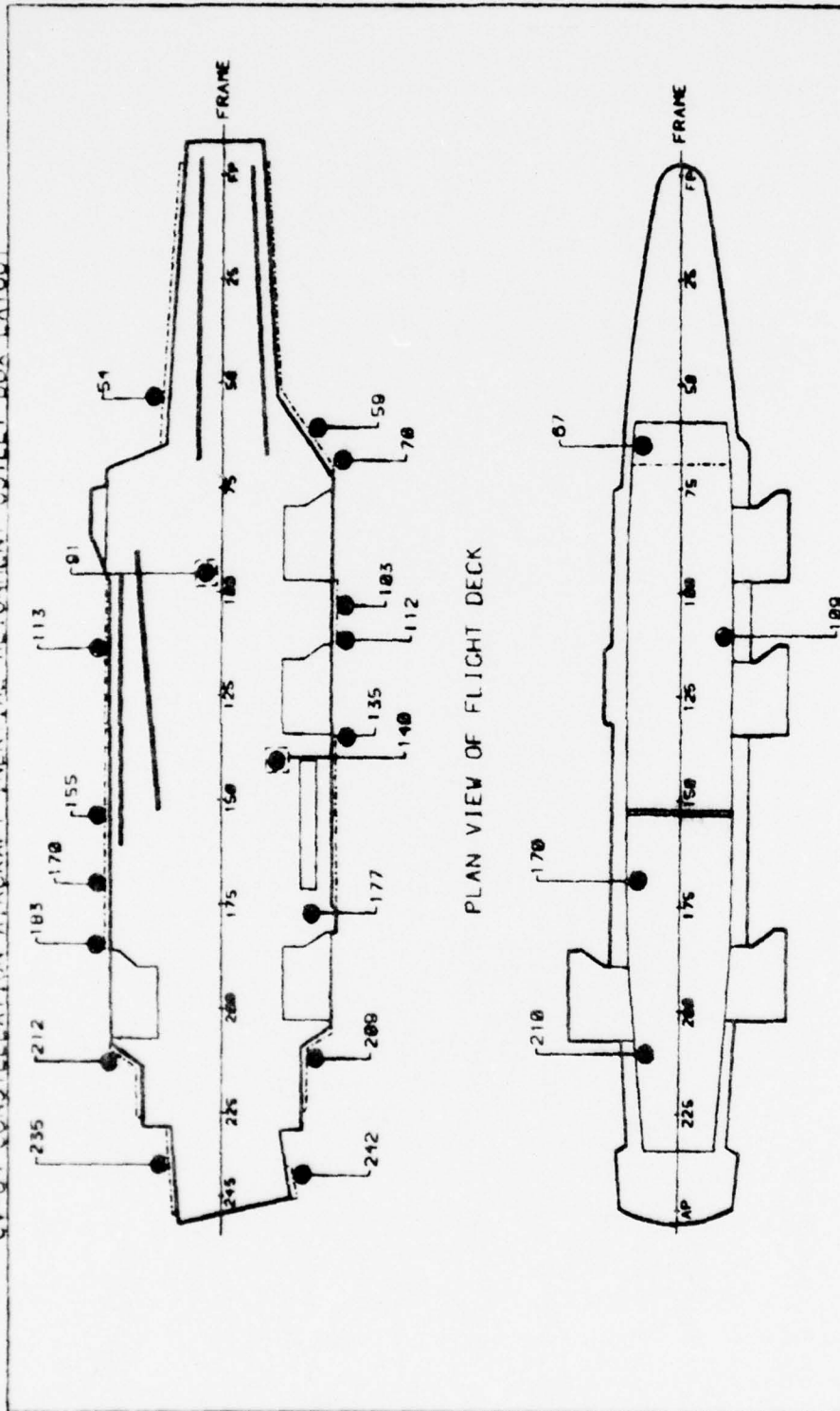
CV-64 USS CONSTELLATION

AIRCRAFT INERTIAL ALIGNMENT
OUTLET BOX SUMMARY

AIRCRAFT INERTIAL ALIGNMENT SYSTEM

[illegible]

CV-64 CONSTELLATION AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



CV-64 USS CONSTELLATION

CATEGORY	PAGE NO.
1 Aircraft Electrical Service Outlet Summary (400 Hz)	1
Aircraft Electrical Service Outlet Layout (400 Hz)	2
2 Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
3 Aviation Fuel Service Summary	5
Aviation Fuel Service Outlet Layout	6
4 Compressed Air Service Summary	7
Compressed Air Service Outlet Layout	8
5 Combat Readiness Station Service Summary	9
Combat Readiness Station Layout	10
6 Oxygen and Nitrogen Service Summary	11
Oxygen and Nitrogen Service Outlet Layout	12
7 Aircraft Inertial Alignment Outlet Box Summary	13
Aircraft Inertial Alignment Outlet Box Layout	14
8 Aircraft Cooling and Starting Air Outlet Summary	15
Aircraft Cooling and Starting Air Outlet Layout	16

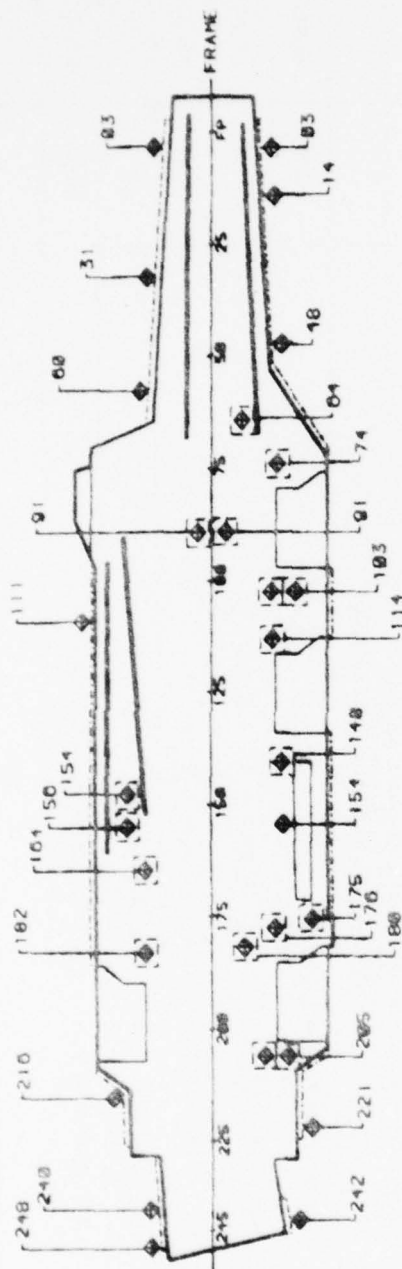
LATEST CHECK - OCT 1977

USS KITTY HAWK

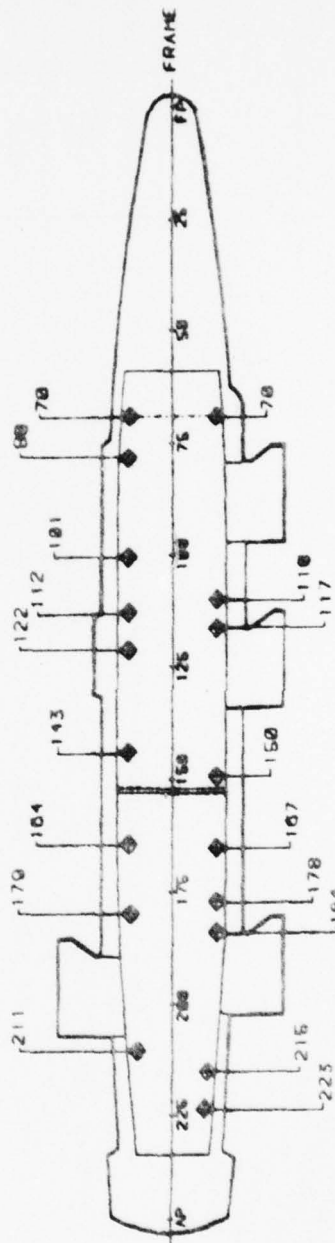
400HZ AIRCRAFT SERVICE

[illegible]

CV-63 KITTY HAWK AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

◆ 400HZ, 3PH, 115/200VAC, 60KVA, TYPE III
RECESSED

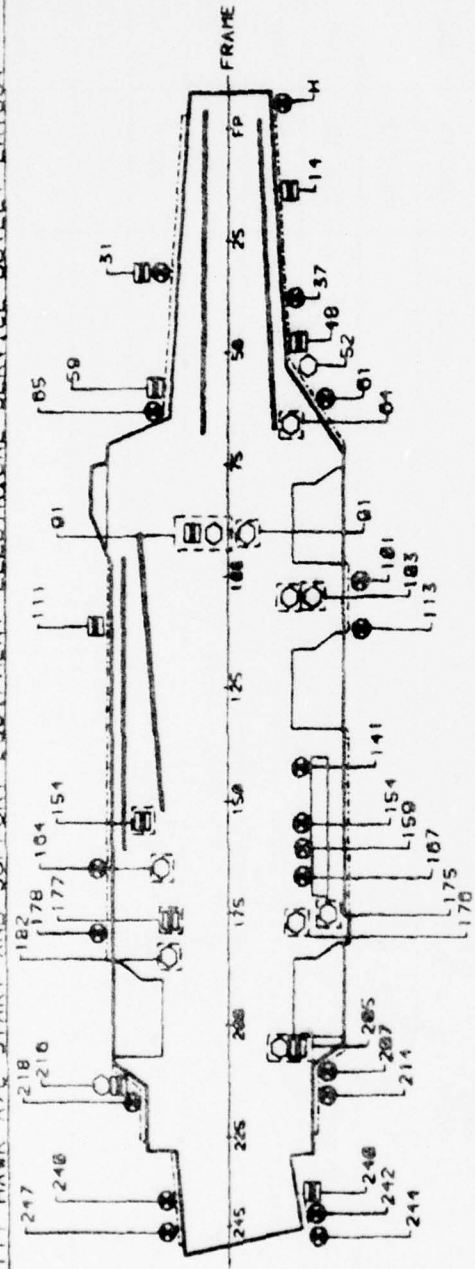
CV-63 USS KITTY HAWK

A/C START AND SUPPORT EQUIPMENT
ELECTRICAL SERVICE OUTLET SUMMARY

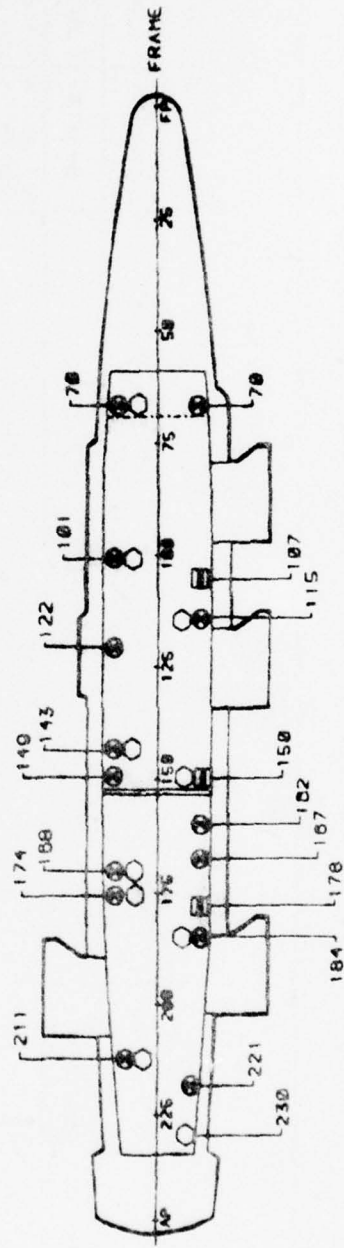
440 VAC SUPPORT EQUIPMENT SERVICE
28 5 VDC A/C SERVICE AND START

440 VAC SUPPORT EQUIPMENT SERVICE			FLT OK	HGR OK
1	440 VAC 60HZ, 3PH, 25 AMP		12	10
2	440 VAC, 60HZ, 3PH, 60 AMP		NONE	NONE
3	440 VAC, 60HZ, 3PH, 100 AMP		20	14
28 5 VDC A/C SERVICE AND START				
1	28 5 VDC, 200 AMP Continuous		NONE	NONE
2	28 5 VDC, 300 AMP Cont, 600 to 900 A Inter		NONE	NONE
3	28 5 VDC, 600 AMP Cont, 600 to 900 A Inter		NONE	NONE
4	28 5 VDC, 300 AMP cont, 650 to 1000 A Inter		10	3
5	28 5 VDC, 850 AMP Cont, 650 to 1000 A Inter		NONE	NONE

CV-63 KITTY HAWK AZC START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- 440VAC, 60-12, 3PH, 25AMP
 - 440VAC, 60-12, 3PH, 100AMP
 - ◻ 28 VDC, 500AMP CONT 650-1000A INTER
 - ◻ RECESSED

CV-63 USS KITTY HAWK

AVIATION FUEL SERVICE

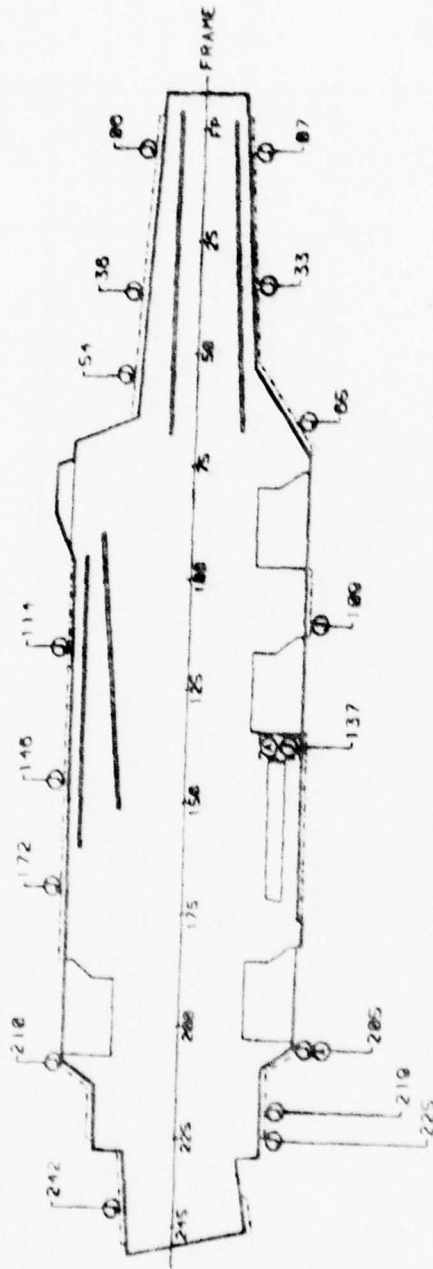
AVIATION GASOLINE AND JP-5

	AV/GAS	JP-5
1 CAPACITY GAL 952	84,313	1,017,555
2 SERVICE OUTLETS	FLT DK 2 HCR DK 1	FLT DK 10 HCR DK 0
3 HOSES PER OUTLET	FLT DK 1 HCR DK 1	FLT DK 3 HCR DK 2
4 SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 1 100/30	200/50
5 TWO OUTLETS OPERATING	100/30	200/50
6 FOUR OUTLETS OPERATING	100/30	200/50
7 SIX OUTLETS OPERATING	100/30	200/50
8 DEFUELING CAPACITY PER SERVICE OUTLET GPM	50	100
9 DEFUELING CAPACITY PER PORTABLE PUMP GPM	25	25

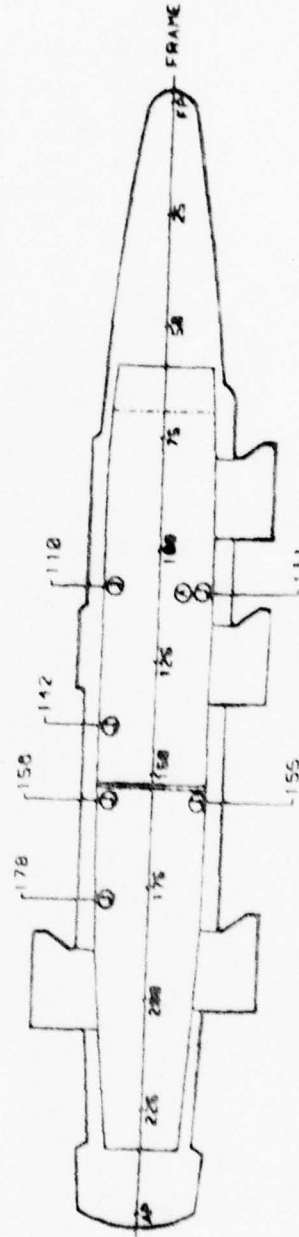
NOTES

1 1-1/2" HOSE AV/GAS, 2-1/2" HOSE JP-5

CV-63 KITTY HAWK AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ AV/GAS
 ⊙ JP-5
 ◌ RECESSED

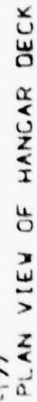
CV-63 USS KITTY HAWK

COMPRESSED AIR SERVICE SUMMARY

COMPRESSED AIR

LOW PRESSURE	FLT DK	HCR DK
1 SERVICE OUTLETS @ 100 PSI	10	15
REDUCED PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1800 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1800 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	0	NONE
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

CV-63 USS KITTY HAWK

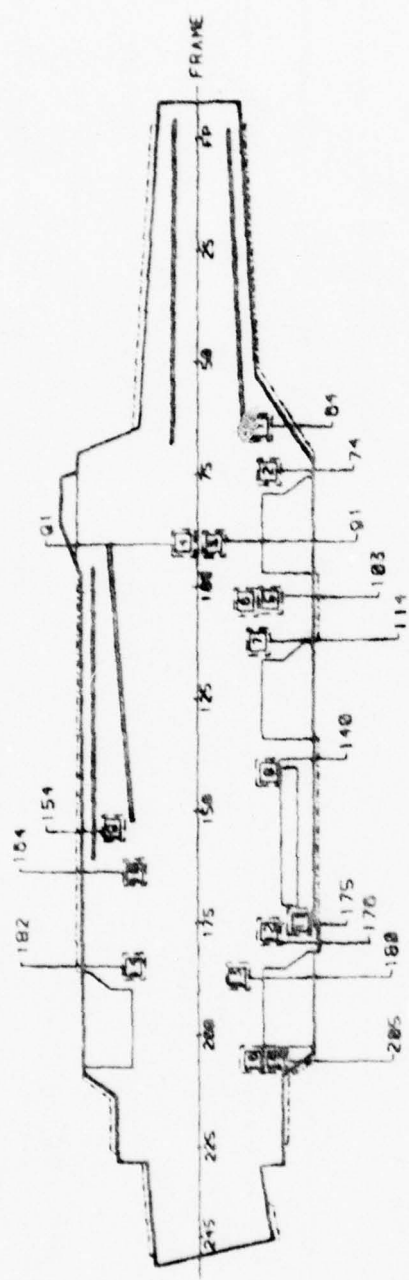


☐ LOW PRESSURE AIR 100 PSI
☐ HIGH PRESSURE AIR, 3000 PSI

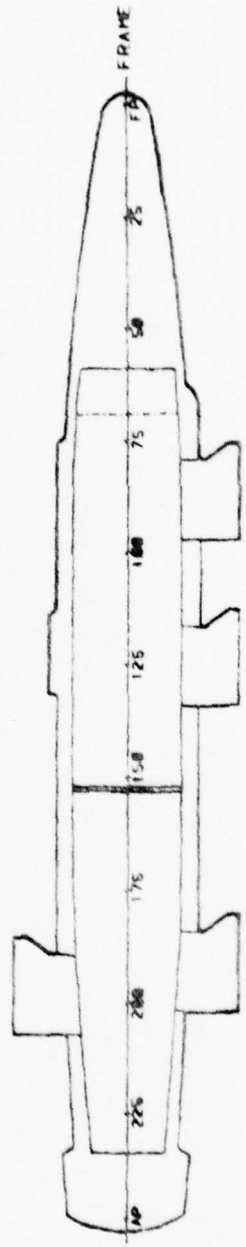
COMBAT READINESS STATION SERVICE SUMMARY

[illegible]

CV-63 KITTY HAWK COMBAT READINESS STATION LAYOUT



PLAN VIEW OF FLIGHT DECK



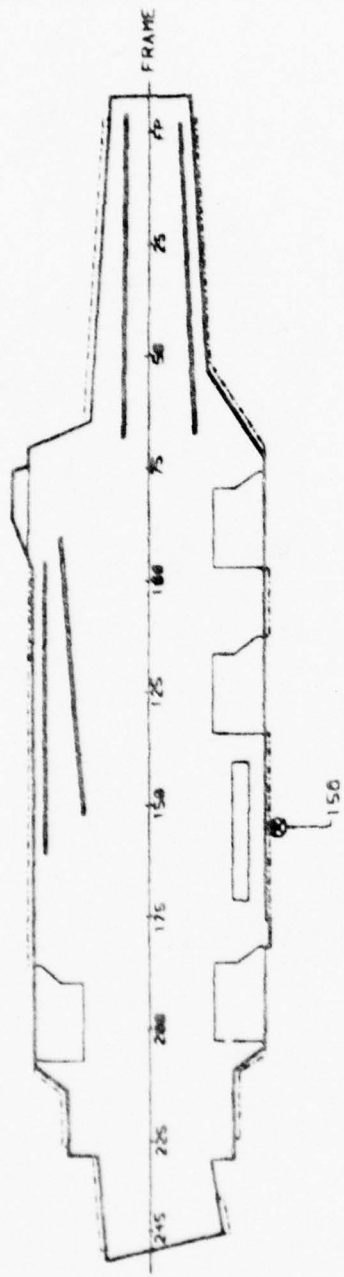
PLAN VIEW OF HANGAR DECK

LEGEND
 □ COMBAT READINESS STATION
 □ RECESSED

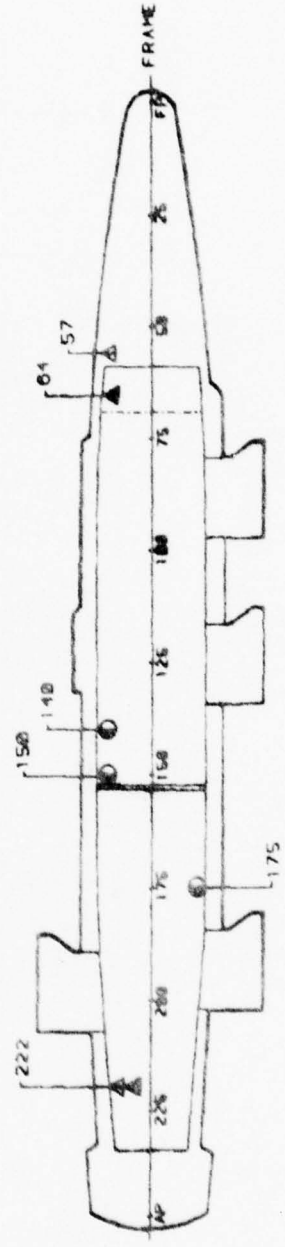
CV-63 USS KITTY HAWK

OXYGEN AND NITROGEN SERVICE SUMMARY				
OXYGEN				
1	STORAGE CAPACITY, LIQUID GALS	1500		
2	GENERATING CAPACITY GPH	15-20		
3	SERVICE OUTLETS, LIQUID	FLT DK NONE	HGR DK 2	
4	SERVICE OUTLETS, GASEOUS	FLT DK NONE	HGR DK 2 ^d	
NITROGEN (OIL FREE)				
1	STORAGE CAPACITY @ 5000 PSI	120 CU FT		
2	SERVICE OUTLETS	FLT DK 1 ^j	HGR DK 3 ^f	
NITROGEN				
1	STORAGE CAPACITY @ 3000 PSI			
2	SERVICE OUTLETS	FLT DK	HGR DK	
NOTES PRESSURES (PSI)				
a	1800	c 2000	e 2000 - 3000	g 3500 , 3000-5000
b	1000	d 2000	f 2000	h 500

CV-63 KITTY HAWK OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK

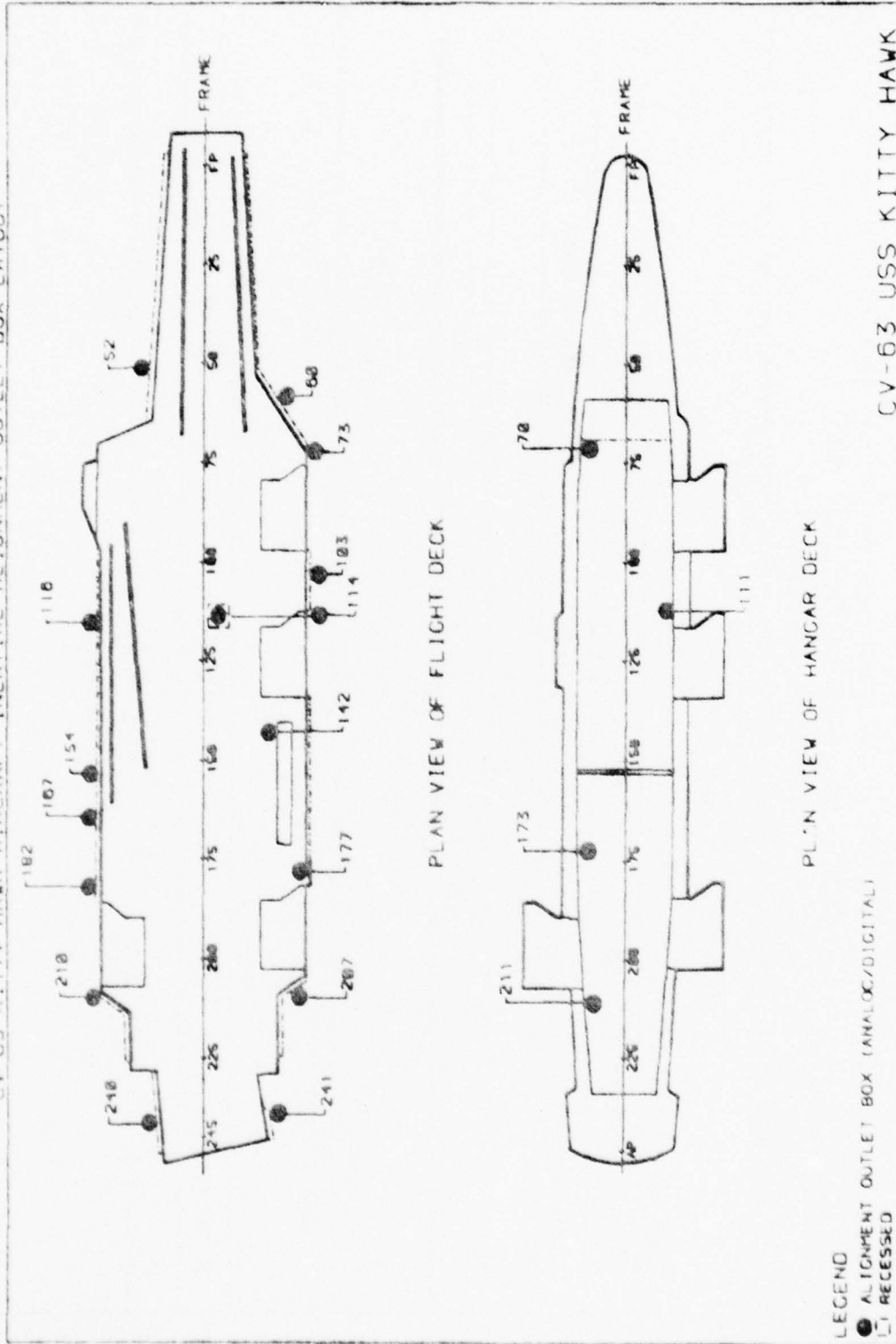


PLAN VIEW OF HANGAR DECK

- LEGEND
- ▲ CASEOUS OXYGEN 2000 PSI
 - △ LIQUID OXYGEN
 - CASEOUS NITROGEN 2000 PSI
 - ⊙ CASEOUS NITROGEN 3000-5000 PSI

CV-63 USS KITTY HAWK

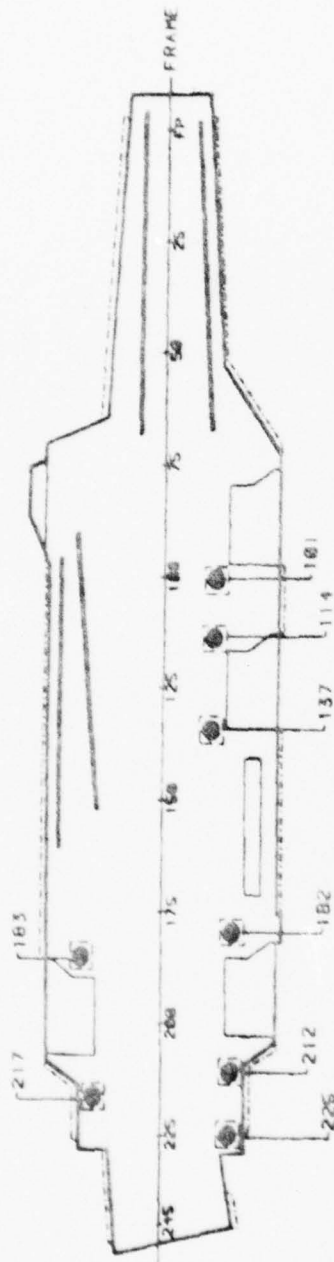
CV-63 KITTY HAWK AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



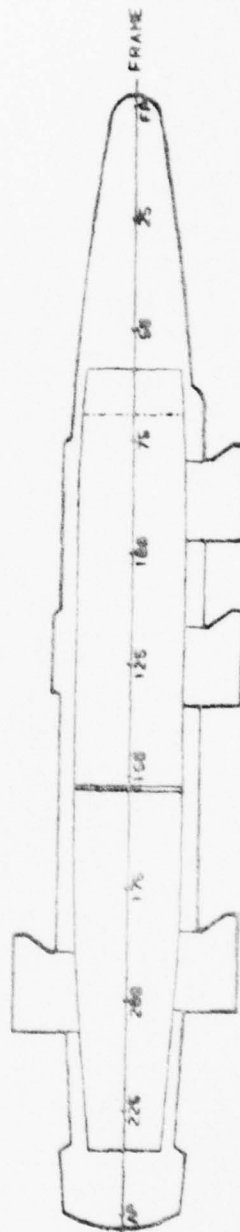
CV-63 USS KITTY HAWK

COOLING AND STARTING AIR OUTLET SUMMARY			
COOLING AIR			
1	OUTLET CAPACITY		
2	SERVICE OUTLETS	FLT DK 6	HGR DK NONE
STARTING AIR			
1	OUTLET CAPACITY	N/A	
2	SERVICE OUTLETS	FLT DK NONE	HGR DK NONE

CV-63 KITTY HAWK COOLING AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
● SERVICE, COOLING AIR
□ RECESSED

CV-63 USS KITTY HAWK

	<u>CATEGORY</u>	<u>PAGE NO.</u>
1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28 S VDC, 440 VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28 S VDC, 440 VAC)	4
3	Aviation Fuel Service Summary	5
	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary	7
	Compressed Air Service Outlet Layout	8
5	Combat Readiness Station Service Summary	9
	Combat Readiness Station Layout	10
6	Oxygen and Nitrogen Service Summary	11
	Oxygen and Nitrogen Service Outlet Layout	12
7	Aircraft Inertial Alignment Outlet Box Summary	13
	Aircraft Inertial Alignment Outlet Box Layout	14
8	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - JUNE 1973

USS INDEPENDENCE

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

420HZ AIRCRAFT SERVICE

[illegible]

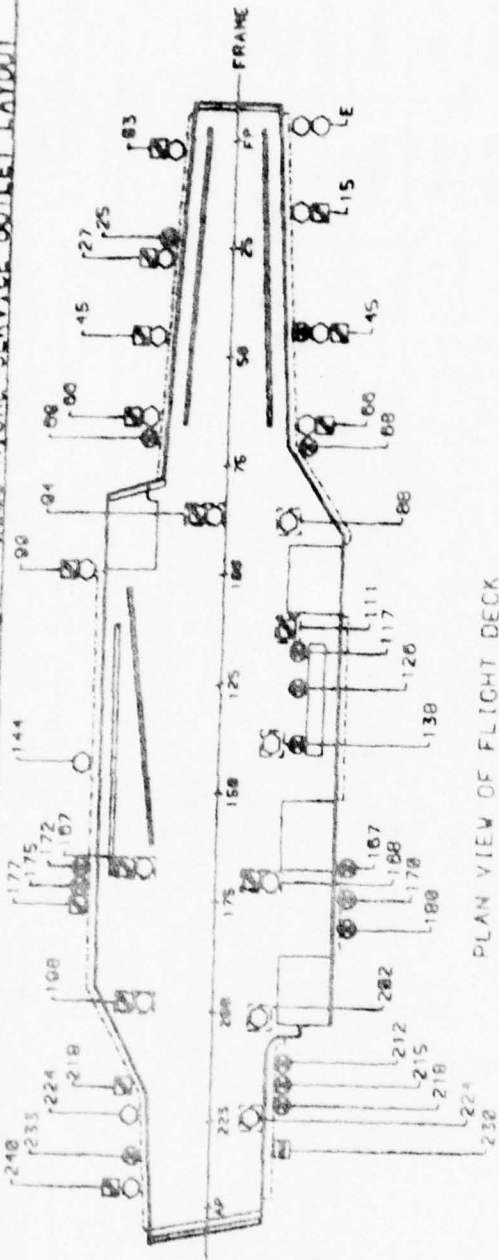
PLAN VIEW OF FLIGHT DECK

PLAN VIEW OF HANGAR DECK

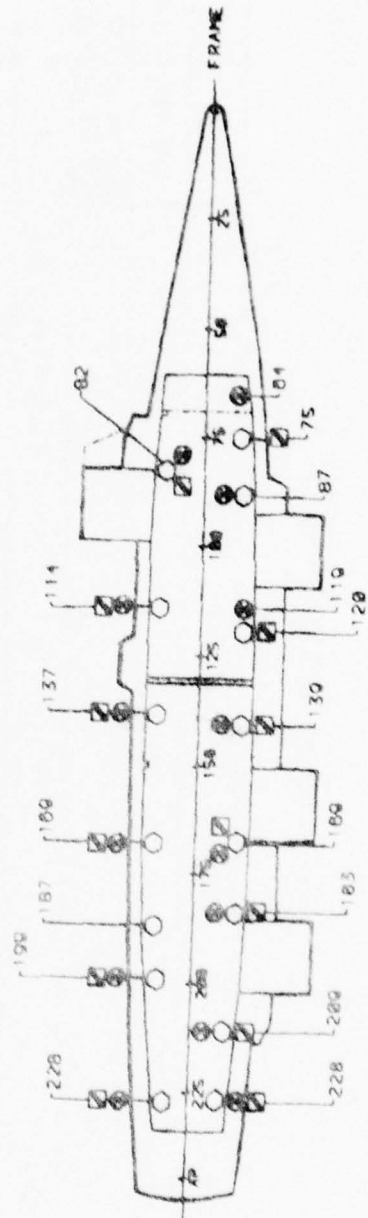
LEGEND		PLAN
◆	400-HZ, 3PH, 115/200 VAC, 60KVA, TYPE I	
◆	400-HZ, 3PH, 115/200 VAC, 60KVA, TYPE II	
□	RECESSED	

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			
1 440 VAC 60Hz, 3PH, 25 AMP		21	15
2 440 VAC, 60Hz, 3PH, 60 AMP		NONE	NONE
3 440 VAC, 60Hz, 3PH, 100 AMP		10	14
28 5 VDC A/C SERVICE AND START			
1 28 5 VDC, 200 AMP CONTINUOUS		NONE	NONE
2 28 5 VDC, 300 AMP CONT, 000 TO 000 A INTER		NONE	NONE
3 28 5 VDC, 600 AMP CONT, 000 TO 000 A INTER		NONE	NONE
4 28 5 VDC, 300 AMP CONT, 050 TO 1000 A INTER		1	NONE
5 28 5 VDC, 050 AMP CONT, 050 TO 1000 A INTER		10	13

CV-62 INDEPENDENCE A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- 440VAC, 60HZ, 3PH, 25AMP
 - 440VAC, 60HZ, 3PH, 100AMP
 - 28 5VDC, 65AMP CONT 650-1000A INTER
 - 28 5VDC, 320AMP CONT 650-1000A INTER
 - RECESSED

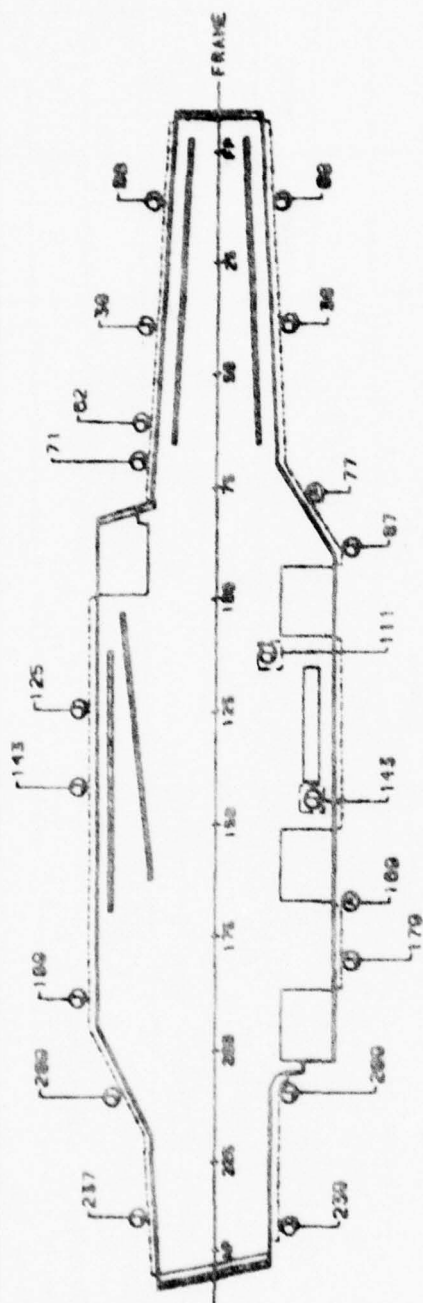
AVIATION FUEL SERVICE

AVIATION GASOLINE AND JP-5

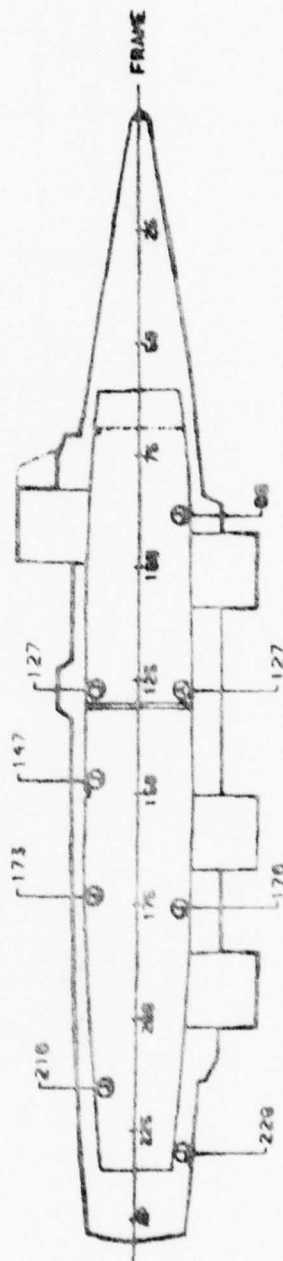
	AV/GAS	JP-5
1 CAPACITY GAL Q5X	185,500	1,178,305
2 SERVICE OUTLETS	FLT DK 2 HGR DK 1	FLT DK 17 HGR DK 7
3 HOSES PER OUTLET	2	4
4 SERVICE OUTLET CAPACITY, GPH/PSI	1200/40	2000/40
a TWO OUTLETS OPERATING	1200/40	2000/40
b FOUR OUTLETS OPERATING	1000/40	2000/40
c SIX OUTLETS OPERATING	N/A	2000/40
5 DEFUELING CAPACITY PER SERVICE OUTLET GPH	100	100
6 DEFUELING CAPACITY PER PORTABLE PUMP GPH	50	50

NOTES
1 JP-5 STATIONS AT FR 71 AND FR 82 FLT DK PORT ARE 121 TWO HOSE OUTLETS, AV/GAS STATIONS
2 ALL HANDCAP DECK STATIONS ARE 121 TWO HOSE OUTLETS FR 77 AND 184 STBD ARE 4 HOSE STATIONS
3 1-1/2" AV/GAS, 2-1/2" HOSE JP-5

CV-62 INDEPENDENCE AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



LEGEND
 (C) AV/CAS
 (S) JP-5
 (I) RECESSED

PLAN VIEW OF HANGAR DECK

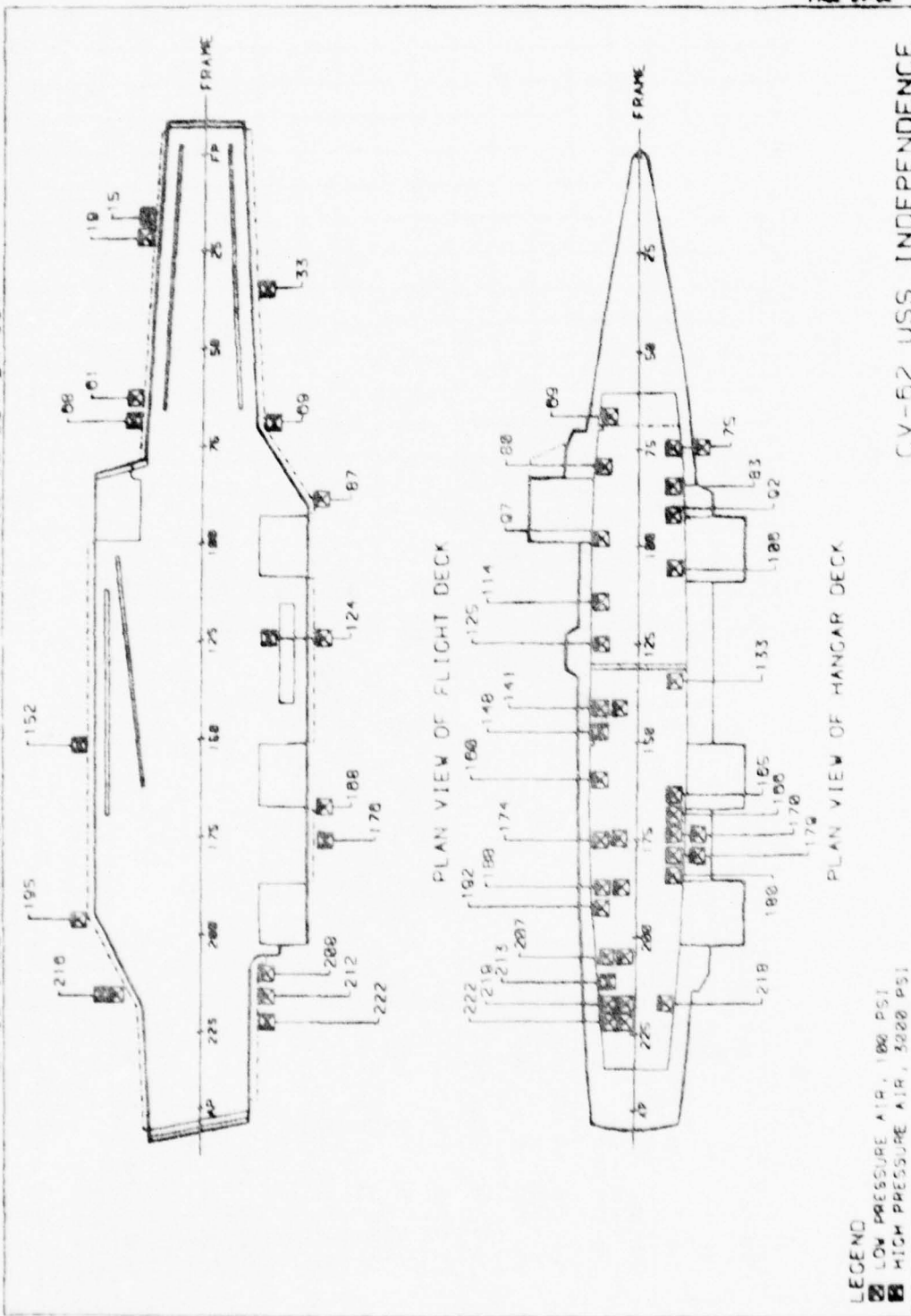
CV-62 USS INDEPENDENCE

COMPRESSED AIR SERVICE SUMMARY

COMPRESSED AIR

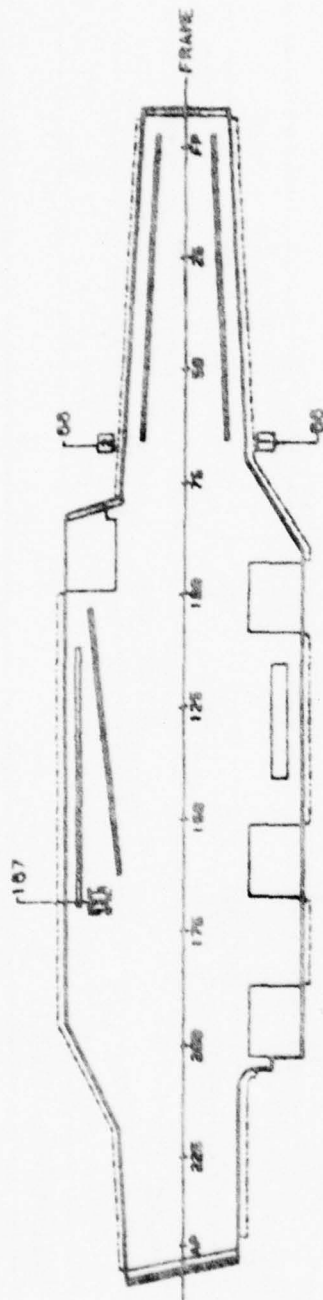
LOW PRESSURE	FLT DK	HGR DK
1 SERVICE OUTLETS @ 100 PSI	0	33
REDUCED PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	0	2
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

CV-62 INDEPENDENCE COMPRESSED AIR SERVICE OUTLET LAYOUT

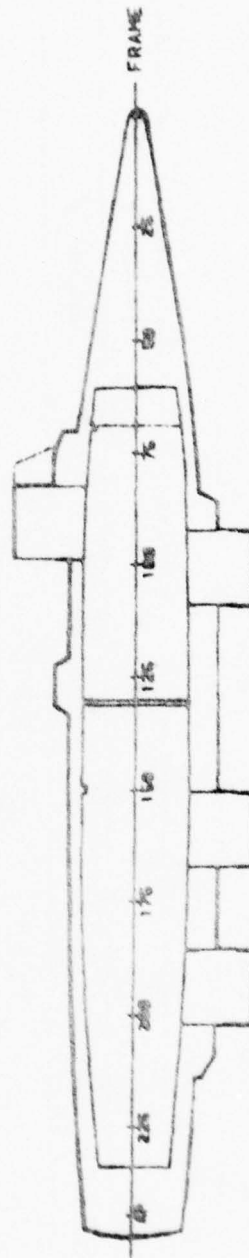


CV-52 USS INDEPENDENCE

CV-62 INDEPENDENCE COMBAT READINESS STATION LAYOUT



PLAN VIEW OF FLIGHT DECK



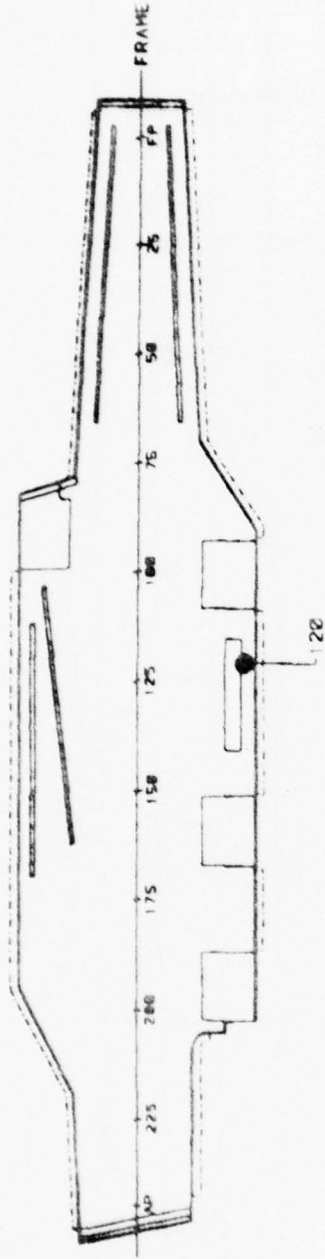
PLAN VIEW OF HANGAR DECK

LEGEND
☐ COMBAT READINESS STATION
☐ RECESSED

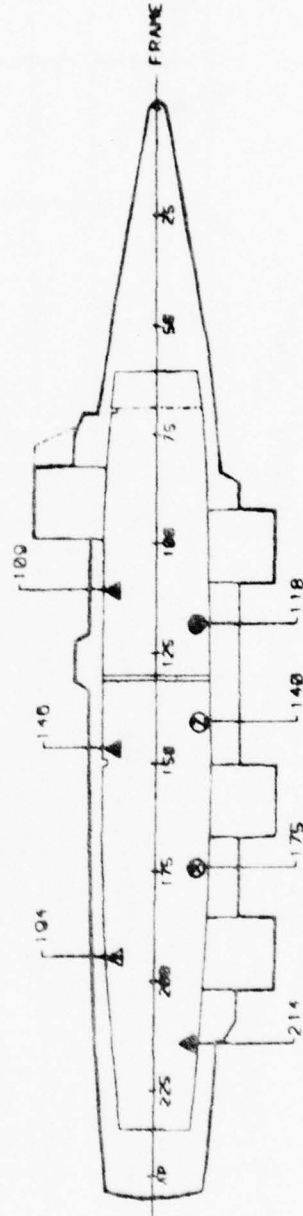
CV-62 USS INDEPENDENCE

OXYGEN AND NITROGEN SERVICE SUMMARY				
OXYGEN				
1	STORAGE CAPACITY, LIQUID GALS	2050		
2	GENERATING CAPACITY GPH	28 0		
3	SERVICE OUTLETS, LIQUID	FLT DK NONE	HCR DK 1	
4	SERVICE OUTLETS, GASEOUS	FLT DK NONE	HCR DK 3 ^d	
NITROGEN (OIL FREE)				
1	STORAGE CAPACITY @ 5000 PSI	60 cu ft		
2	SERVICE OUTLETS	FLT DK 1 st	HCR DK 1 st , 2 nd , 3 rd	
NITROGEN				
1	STORAGE CAPACITY @ 3000 PSI	NONE		
2	SERVICE OUTLETS	FLT DK NONE	HCR DK NONE	
NOTES PRESSURES (PSI)				
a	1800 c 2000	e 2000 - 3000	g 3500	i 5000
b	1000 d 2000	f 3000	h 5000	

CV-62 INDEPENDENCE OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- ▲ CASEOUS OXYGEN 2000 PSI
 - LIQUID OXYGEN
 - CASEOUS NITROGEN 2000 PSI
 - ⊙ CASEOUS NITROGEN 2000-3000 PSI
 - ⊗ CASEOUS NITROGEN 3000-5000 PSI

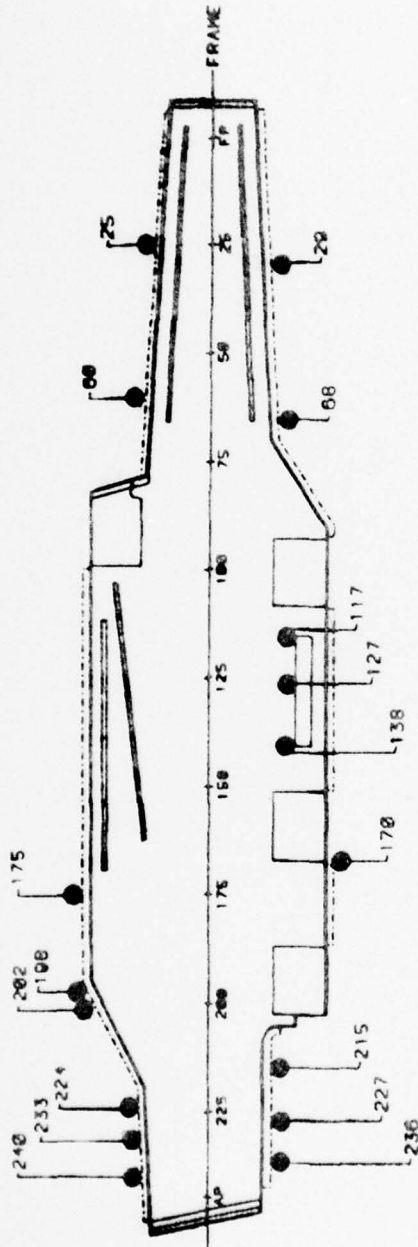
CV-62 USS INDEPENDENCE

AIRCRAFT INERTIAL ALIGNMENT
OUTLET BOX SUMMARY

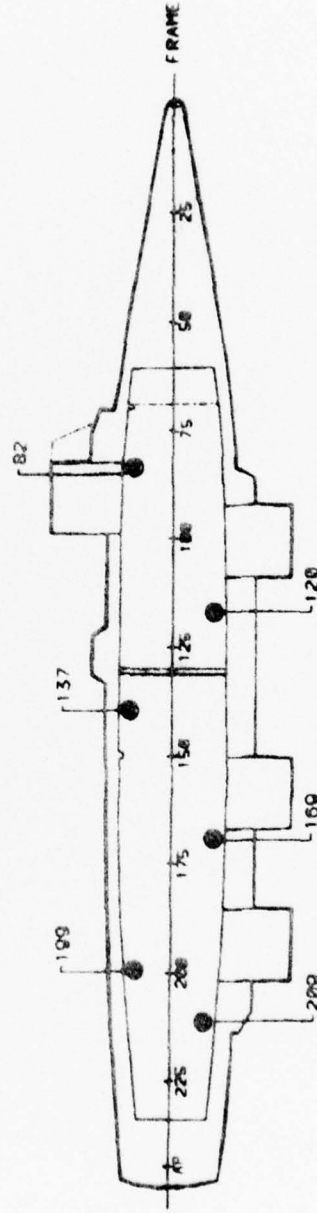
AIRCRAFT INERTIAL ALIGNMENT SYSTEM

[illegible]

CV-62 INDEPENDENCE AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

● ALIGNMENT OUTLET BOX (ANALOG/DIGITAL)

CV-62 USS INDEPENDENCE

CATEGORY	PAGE NO.
1 Aircraft Electrical Service Outlet Summary (400 Hz) Aircraft Electrical Service Outlet Layout (400 Hz)	1 2
2 Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 440 VAC)	3
Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	4
3 Aviation Fuel Service Summary Aviation Fuel Service Outlet Layout	5 6
4 Compressed Air Service Summary Compressed Air Service Outlet Layout	7 8
5 Combat Readiness Station Service Summary Combat Readiness Station Layout	9 10
6 Oxygen and Nitrogen Service Summary Oxygen and Nitrogen Service Outlet Layout	11 12
7 Aircraft Inertial Alignment Outlet Box Summary Aircraft Inertial Alignment Outlet Box Layout	13 14
8 Aircraft Cooling and Starting Air Outlet Summary Aircraft Cooling and Starting Air Outlet Layout	N/A N/A

LATEST CHECK - AUGUST 1978

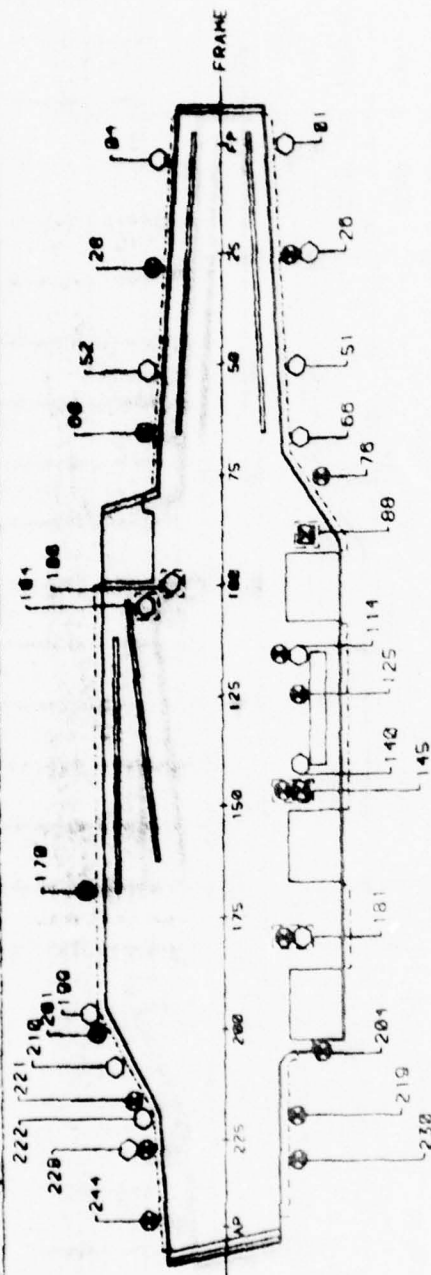
USS RANGER

A/C START AND SUPPORT EQUIPMENT
ELECTRICAL SERVICE OUTLET SUMMARY

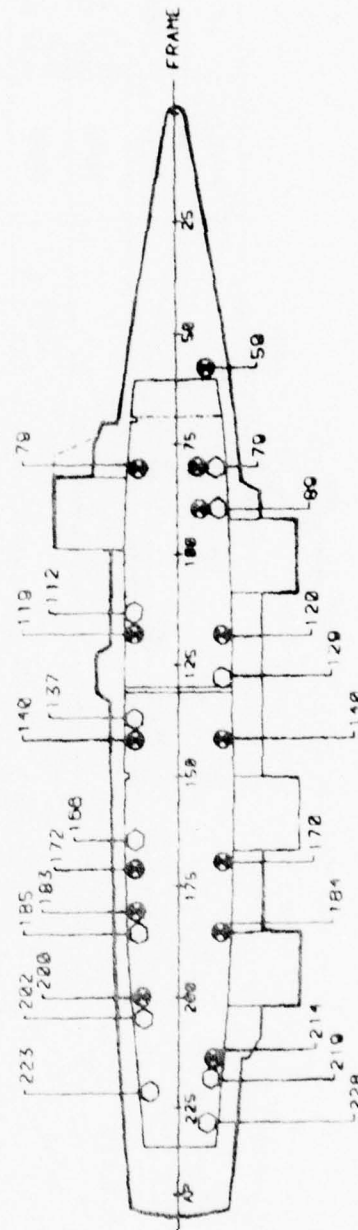
440 VAC SUPPORT EQUIPMENT SERVICE
28 5 VDC A/C SERVICE AND START

440 VAC SUPPORT EQUIPMENT SERVICE			FLT DK	HCR DK
1	440 VAC 60Hz, 3PH, 25 AMP		15	11
2	440 VAC, 60Hz, 3PH, 60 AMP		NONE	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP		10	14
28 5 VDC A/C SERVICE AND START				
1	28 5 VDC, 200 AMP Continuous		NONE	NONE
2	28 5 VDC, 300 AMP Cont, 000 to 900 A Inter		NONE	NONE
3	28 5 VDC, 000 AMP Cont, 000 to 900 A Inter		2	NONE
4	28 5 VDC, 300 AMP cont, 050 to 1000 A Inter		NONE	NONE
5	28 5 VDC, 050 AMP Cont, 050 to 1000 A Inter		NONE	NONE

CV-61 RANGER AND START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- 440VAC, 60-HZ, 3PH, 25AMP
- 440VAC, 60-HZ, 3PH, 100AMP
- 28 VDC, 000AMP CONT 000-000A INTER
- ⌊ RECESSED

CV-61 USS RANGER

AVIATION FUEL SERVICE

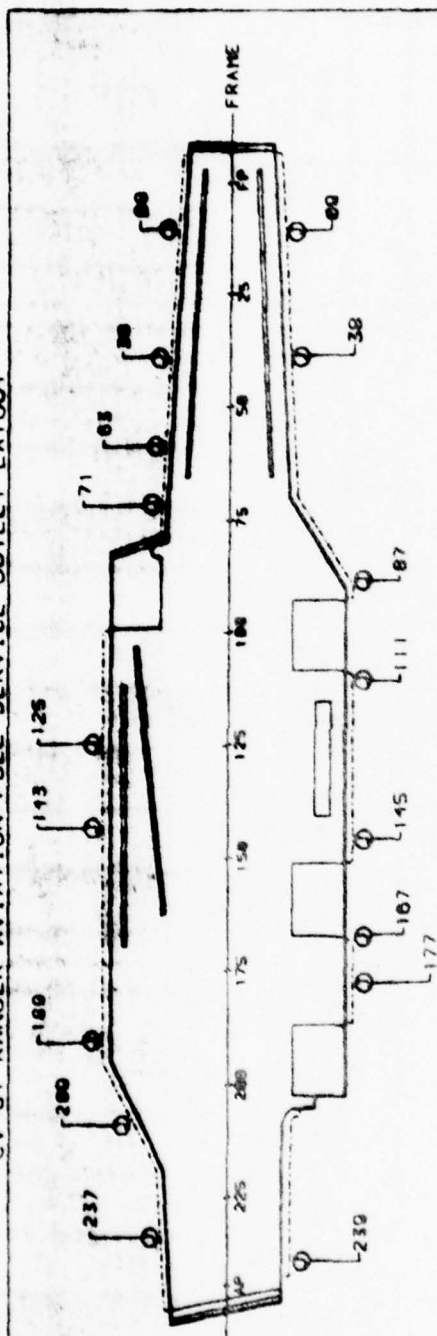
AVIATION GASOLINE AND JP-5

	AV/GAS	JP-5
1 CAPACITY GAL 95X	NONE	1,523,420
2 SERVICE OUTLETS	NONE	FLT DK 17 HGR DK 8
3 HOSES PER OUTLET	NOTE 1	FLT DK 4 HGR DK 2
4 SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 2	2000/30
a TWO OUTLETS OPERATING	NONE	2000/30
b FOUR OUTLETS OPERATING	NONE	2000/30
c SIX OUTLETS OPERATING	NONE	2000/30
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	NONE	100
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM	NONE	50 (2)

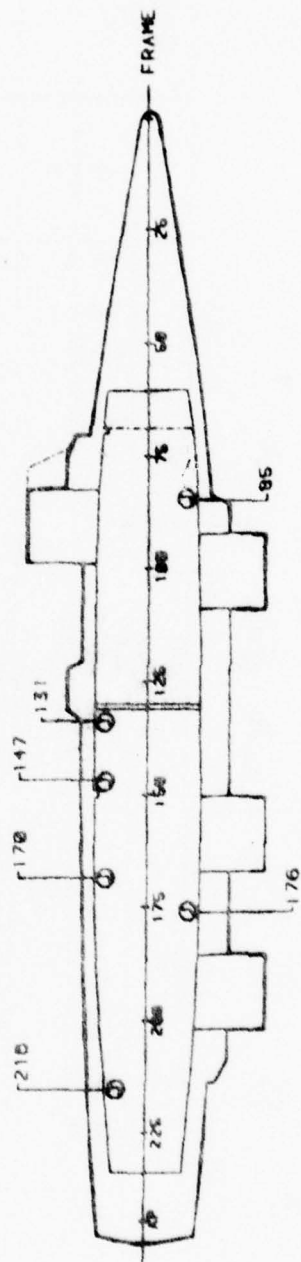
NOTES

- 1 FLIGHT DECK JP-5 OUTLETS FRAMES 71 AND 63 ARE 121 HOSE OUTLETS
- 2 2-1/2" HOSE JP-5

CV-61 RANGER AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
JP-5

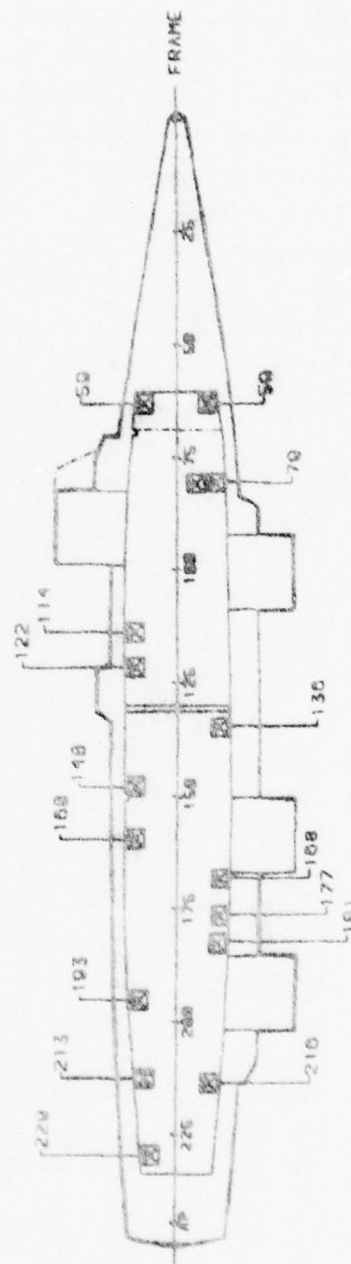
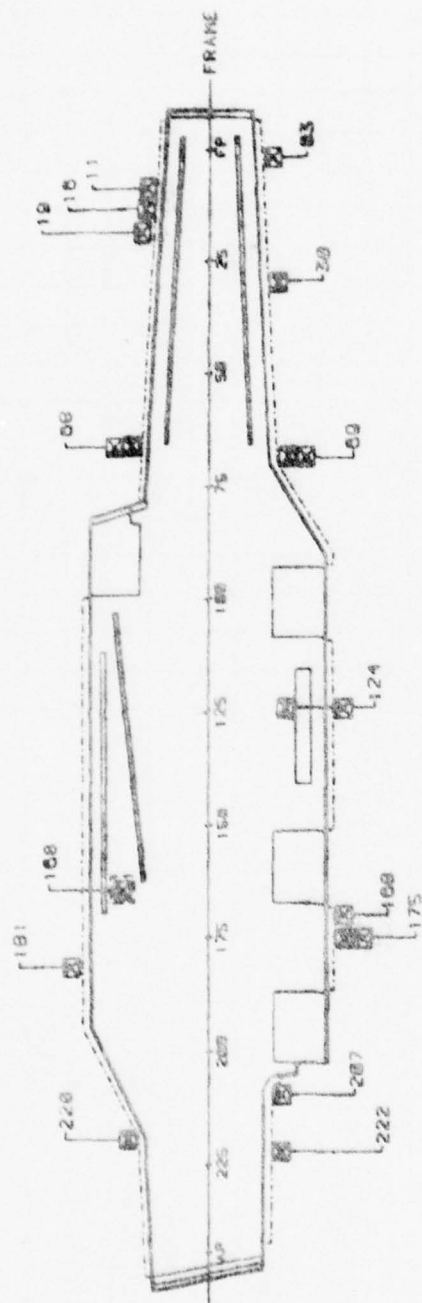
CV-61 USS RANGER

COMPRESSED AIR SERVICE SUMMARY

COMPRESSED AIR

LOW PRESSURE	FLT DK	HGR DK
1 SERVICE OUTLETS @ 100 PSI	0	13
REDUCED PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1800 PSI	2	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1800 to 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	8	3
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

CV-51 RANGER COMPRESSED AIR SERVICE OUTLET LAYOUT



LEGEND

LOW PRESSURE AIR, 1000 PSI
MEDIUM PRESSURE AIR, 1800 PSI
HIGH PRESSURE AIR, 3000 PSI
UNRECORDED

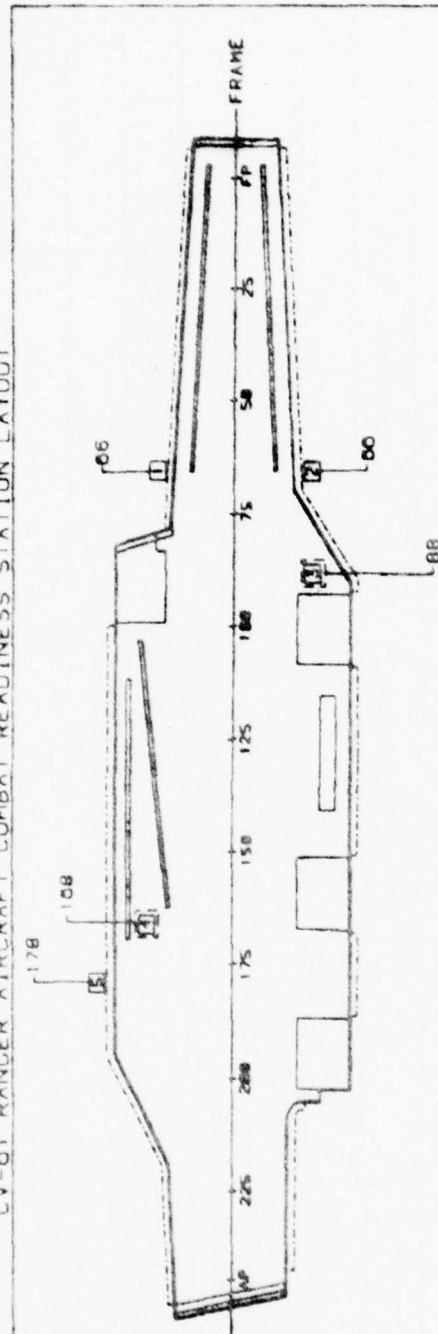
PLAN VIEW OF HANGAR DECK

CV-61 USS RANGER

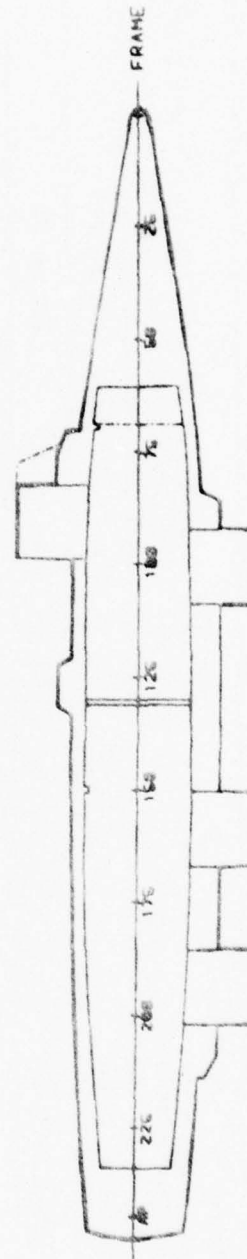
COMBAT READINESS STATION SERVICE SUMMARY

[illegible]

CV-61 RANGER AIRCRAFT COMBAT READINESS STATION LAYOUT



PLAN VIEW OF FLIGHT DECK



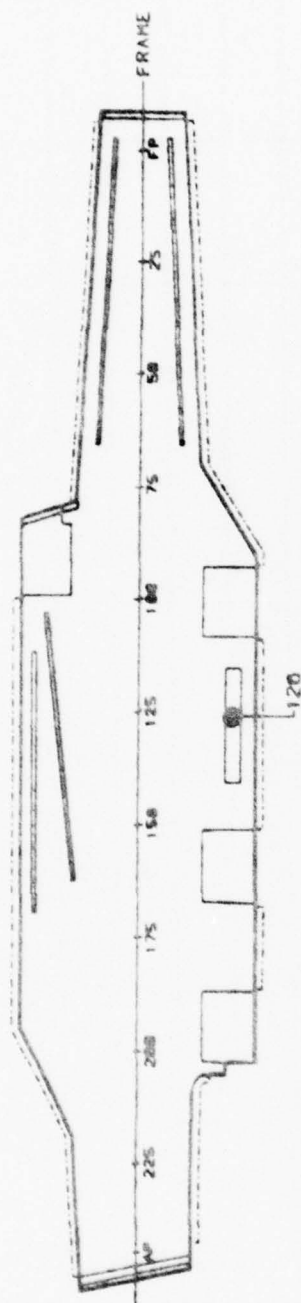
PLAN VIEW OF HANGAR DECK

LEGEND
 □ COMBAT READINESS STATION
 □ RECESSED

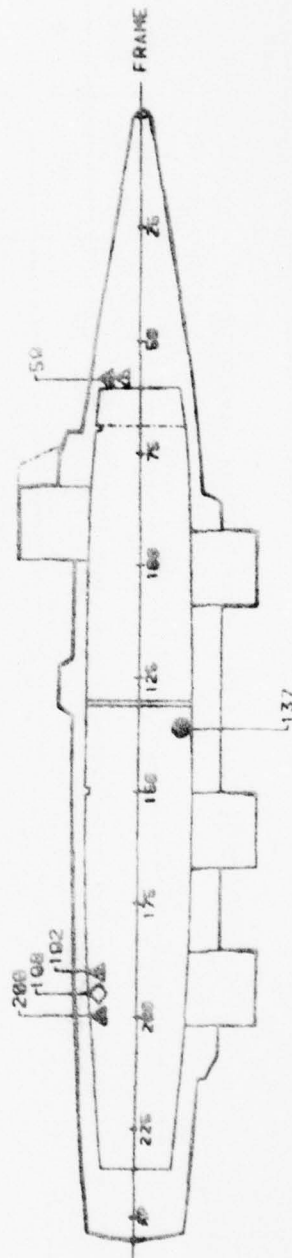
CV-61 USS RANGER

OXYGEN AND NITROGEN SERVICE SUMMARY											
OXYGEN											
1		STORAGE CAPACITY, LIQUID GALS			2,250						
2		GENERATING CAPACITY GPH			35						
3		SERVICE OUTLETS, LIQUID			FLT DK NONE			HGR DK 2			
4		SERVICE OUTLETS, GASEOUS			FLT DK NONE			HGR DK 2 ^d			
NITROGEN (OIL FREE)											
1		STORAGE CAPACITY @ 5000 PSI			120 CU FT						
2		SERVICE OUTLETS			FLT DK 1 ^b			HGR DK 1 ^b , 1 ^d			
NITROGEN											
1		STORAGE CAPACITY @ 3000 PSI			NONE						
2		SERVICE OUTLETS			FLT DK NONE			HGR DK NONE			
NOTES PRESSURES (PSI)											
a	1800	c	2000	e	2000	-	3000	g	3500	i	5000
b	1000	d	2000	f	3000			h	500		

CV-61 RANGER OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



LEGEND

- LIQUID OXYGEN TRANSFER
- GASEOUS NITROGEN 2000-3000 PSI
- △ GASEOUS NITROGEN 3500 PSI
- ▲ GASEOUS OXYGEN 2600 PSI

PLAN VIEW OF HANGAR DECK

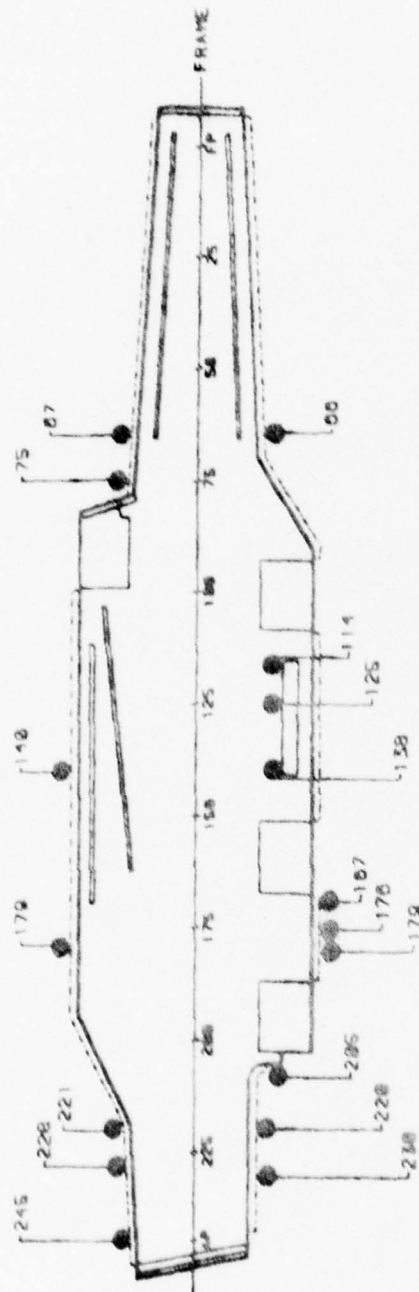
CV-61 USS RANGER

AIRCRAFT INERTIAL ALIGNMENT
OUTLET BOX SUMMARY

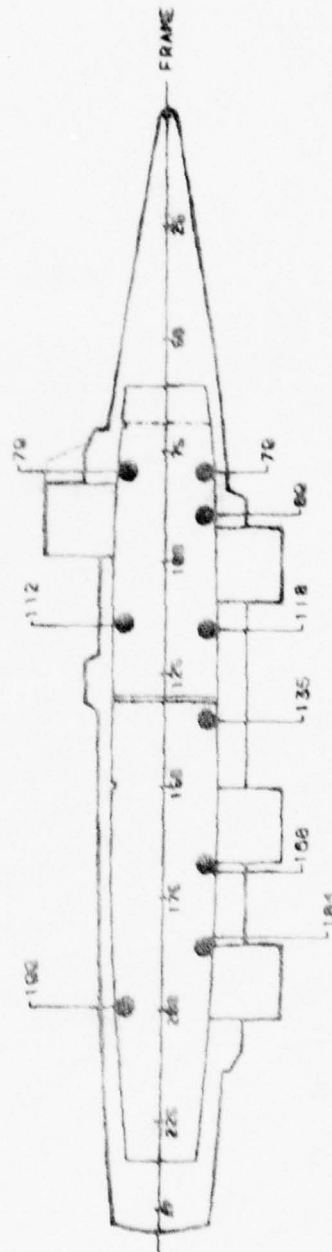
AIRCRAFT INERTIAL ALIGNMENT SYSTEM

[illegible]

CV-81 RANGER AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

CV-81 USS RANGER

LEGEND
● ALIGNMENT OUTLET BOX (ANALOG/DIGITAL)

CATEGORY	PAGE NO.
1 Aircraft Electrical Service Outlet Summary (400 Hz)	1
Aircraft Electrical Service Outlet Layout (400 Hz)	2
2 Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
3 Aviation Fuel Service Summary	5
Aviation Fuel Service Outlet Layout	6
4 Compressed Air Service Summary	7
Compressed Air Service Outlet Layout	8
5 Combat Readiness Station Service Summary	9
Combat Readiness Station Layout	10
6 Oxygen and Nitrogen Service Summary	11
Oxygen and Nitrogen Service Outlet Layout	12
7 Aircraft Inertial Alignment Outlet Box Summary	13
Aircraft Inertial Alignment Outlet Box Layout	14
8 Aircraft Cooling and Starting Air Outlet Summary	N/A
Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - September 1976

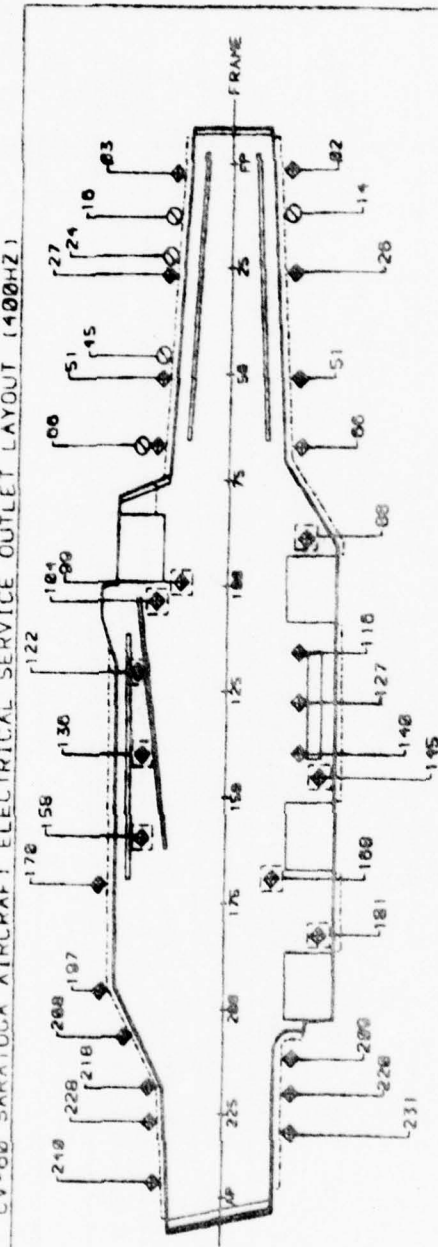
USS SARATOGA

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

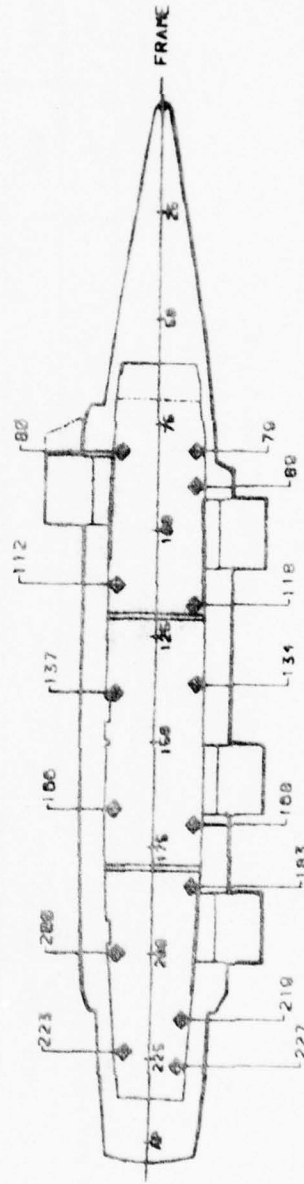
400Hz AIRCRAFT SERVICE

SERVICE OUTLETS	FLT DK	MGR DK
1 400Hz, 3PH, 115/200 VAC, 30KVA, Type I	S	NONE
2 400Hz, 3PH, 115/200 VAC, 30KVA, Type III	NONE	NONE
3 400Hz, 3PH, 115/200 VAC, 60KVA, Type I	NONE	NONE
4 400Hz, 3PH, 115/200 VAC, 60KVA, Type III	28	14

CV-60 SARATOGA AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND:
 ○ 400 HZ, 3PH, 115/200 VAC, 60 KVA TYPE I
 ◆ 400 HZ, 3PH, 115/200 VAC, 60 KVA TYPE I
 □ RECESSED

CV-60 USS SARATOGA

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY

440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START

440 VAC SUPPORT EQUIPMENT SERVICE		FLT DK	MEGR DK
1	440 VAC 60Hz, 3PH, 25 AMP	10	14
2	440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	4	7
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP CONTINUOUS	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 0.50 to 0.80 A Inter	3	1
3	28 5 VDC, 600 AMP Cont, 0.80 to 0.80 A Inter	10	8
4	28 5 VDC, 300 AMP cont., 0.50 to 1.000 A Inter	8	5
5	28 5 VDC, 650 AMP Cont., 0.50 to 1.000 A Inter	NONE	NONE

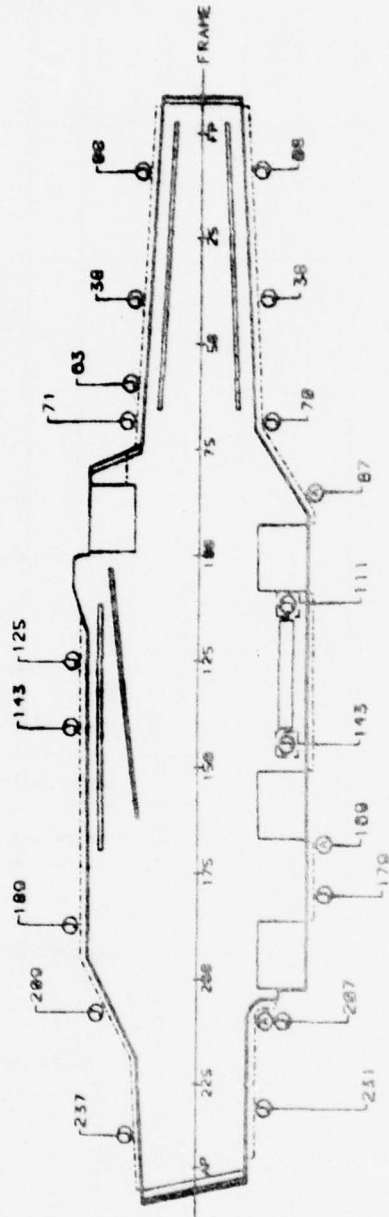
AVIATION FUEL SERVICE

AVIATION GASOLINE AND JP-5

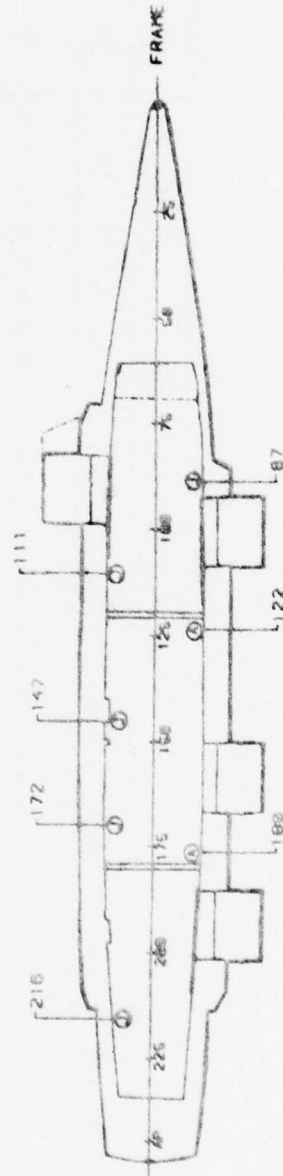
	AV/GAS	JP-5
1. CAPACITY CAL. 052	104.000	1,710,453
2. SERVICE OUTLETS	FLT DK 3 HCR DK 2	FLT DK 17 HCR DK 5
3. HOSES PER OUTLET	NOTE 1	NOTE 1
4. SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 2	NOTE 2
a. TWO OUTLETS OPERATING	200/40	200/40
b. FOUR OUTLETS OPERATING	200/40	200/40
c. SIX OUTLETS OPERATING	200/40	200/40
5. DEFUELING CAPACITY PER SERVICE OUTLET GPM	200/40	200/40
6. DEFUELING CAPACITY PER PORTABLE PUMP GPM	100	100
	25	25

NOTES
1. FLT DK JP-5 Outlets at 71 and 85 are 2 (two) hose outlets
2. 1-1/2" Hose AV/GAS, 2-1/2" Hose JP-5

CV-60 SARATOGA AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ AVIATION
 ○ JP-5
 ○ RECESSED

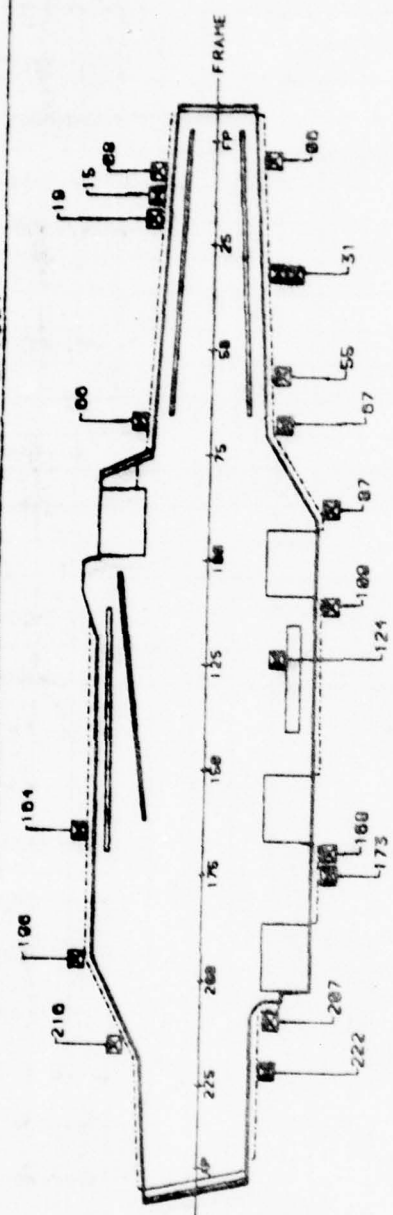
CV-60 USS SARATOGA

COMPRESSED AIR SERVICE SUMMARY

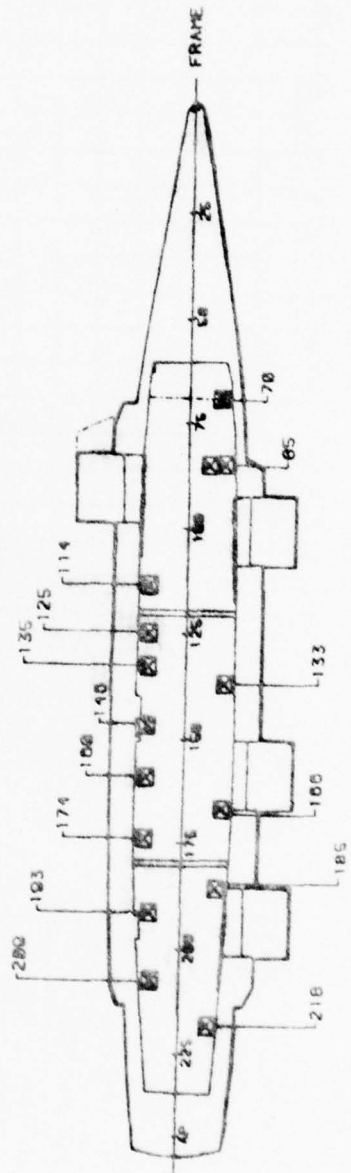
COMPRESSED AIR

LOW PRESSURE	FLT DK	HGR DK
1 SERVICE OUTLETS @	10	12
REDUCED PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1800 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1800 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	0	3
TYPE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

CV-60 SARATOGA COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



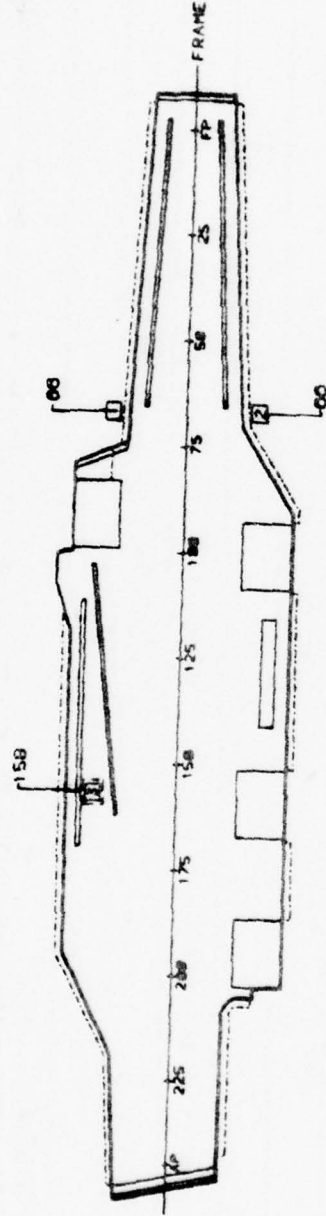
LEGEND

- LOW PRESSURE AIR, 100 PSI
- HIGH PRESSURE AIR, 3000 PSI

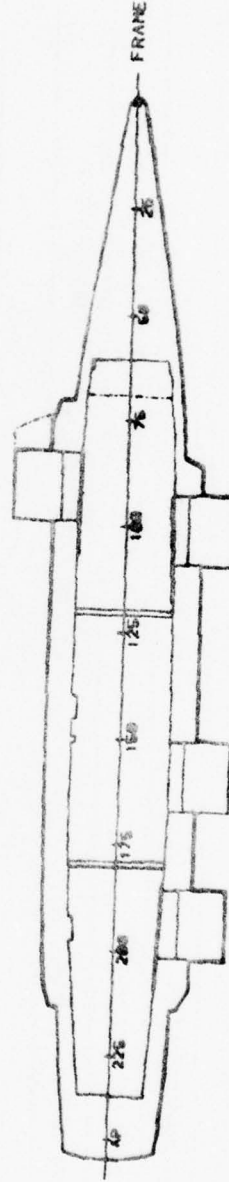
PLAN VIEW OF HANGAR DECK

CV-60 USS SARATOGA

CV-60 SARATOGA COMBAT READINESS STATION LAYOUT



PLAN VIEW OF FLIGHT DECK



LEGEND
COMBAT READINESS STATION
RECESSED

PLAN VIEW OF HANGAR DECK

CV-60 USS SARATOGA

OXYGEN AND NITROGEN SERVICE SUMMARY

OXYGEN

1 STORAGE CAPACITY, LIQUID GALS	1400	
2 GENERATING CAPACITY GPH	200	
3 SERVICE OUTLETS, LIQUID	FLT DK NONE	HCR DK 1
4 SERVICE OUTLETS, GASEOUS	FLT DK NONE	HCR DK 1"

NITROGEN (OIL FREE)

1 STORAGE CAPACITY @ 5000 PSI	50 cu ft 1500 GAL LIQUID	
2 SERVICE OUTLETS	FLT DK 2" 1"	HCR DK 4" 1"

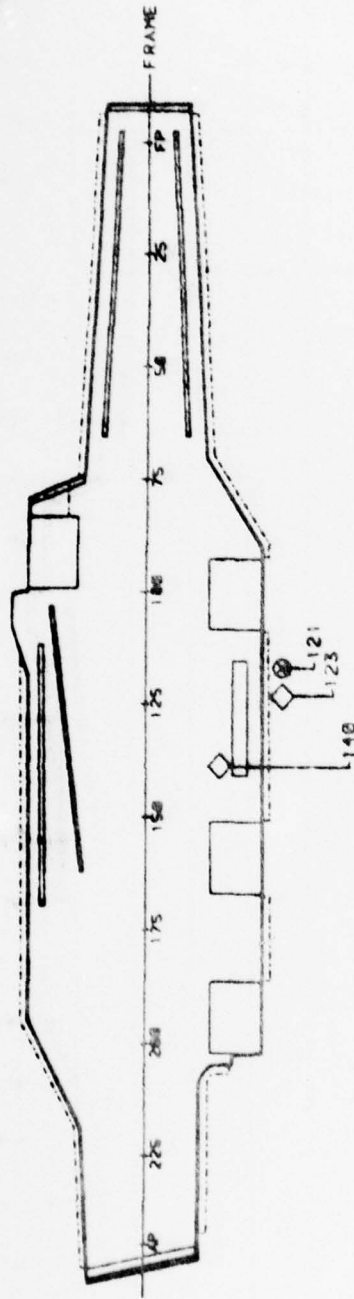
NITROGEN

1 STORAGE CAPACITY @ 3000 PSI	300 cu ft	
2 SERVICE OUTLETS	FLT DK NONE	HCR DK NONE

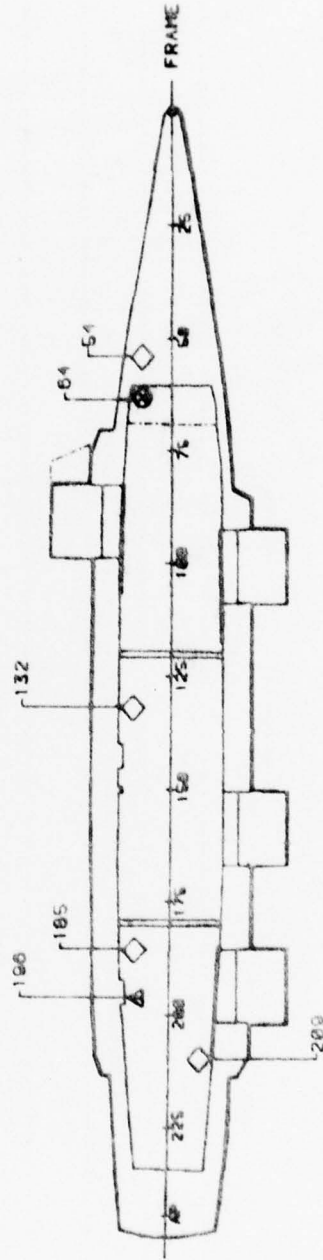
NOTES PRESSURES (PSI)

a 1000	c 2000	e 2000	g 3000	i 5000
b 1000	d 2000	f 3000	h 5000	

CV-60 SARATOGA OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK

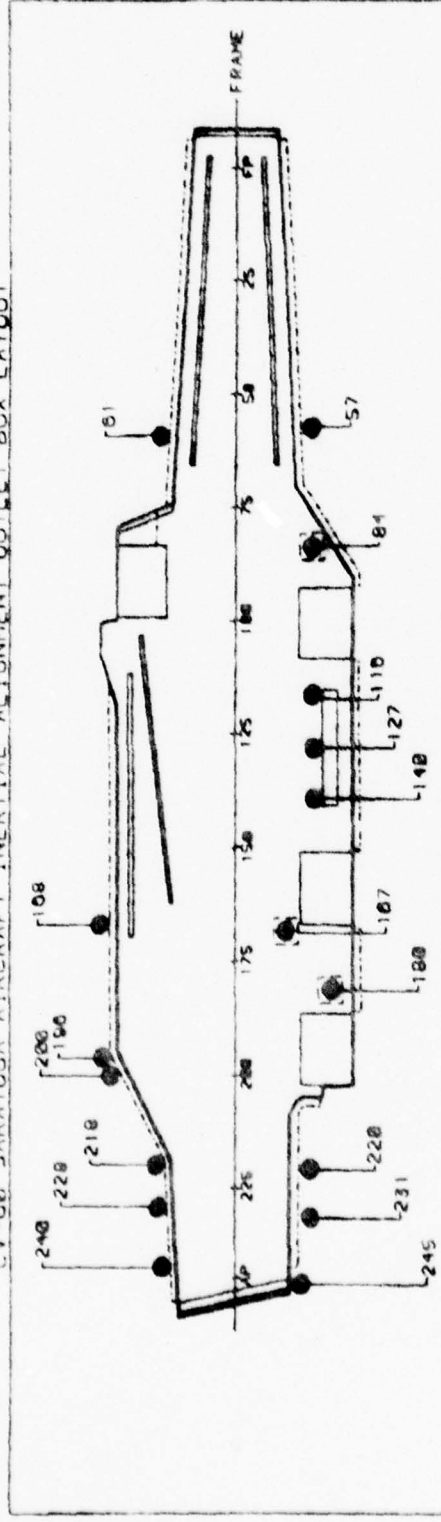


- LEGEND
- ▲ GASEOUS OXYGEN 2000 PSI
 - ▲ LIQUID OXYGEN
 - ◇ GASEOUS NITROGEN 3500 PSI
 - ◇ GASEOUS NITROGEN TIRE CHARGING 500 PSI

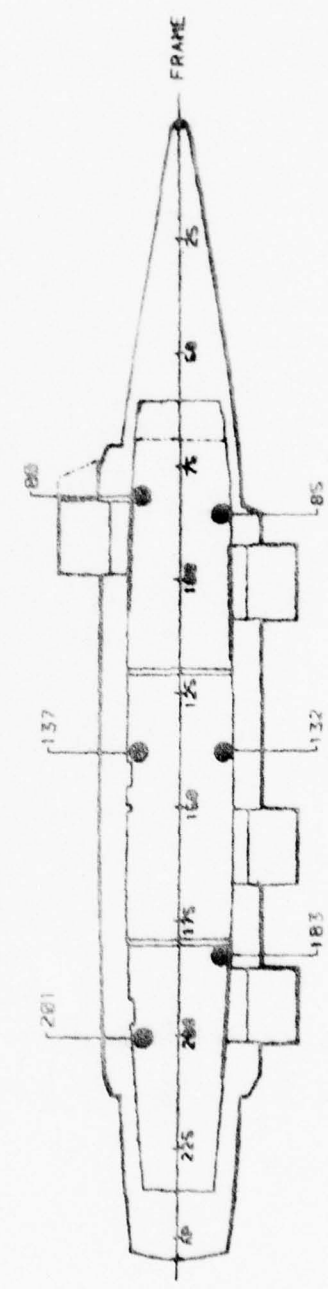
PLAN VIEW OF HANGAR DECK

CV-60 USS SARATOGA

CV-60 SARATOGA AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
● ALIGNMENT OUTLET BOX (ANALOG/DIGITAL)
□ RECESSED

CV-60 USS SARATOGA

CATEGORY

PAGE NO.

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
3	Aviation Fuel Service Summary	5
	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary	7
	Compressed Air Service Outlet Layout	8
5	Combat Readiness Station Service Summary	N/A
	Combat Readiness Station Layout	N/A
6	Oxygen and Nitrogen Service Summary	11
	Oxygen and Nitrogen Service Outlet Layout	12
7	Aircraft Inertial Alignment Outlet Box Summary	13
	Aircraft Inertial Alignment Outlet Box Layout	14
8	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - AUGUST 1977

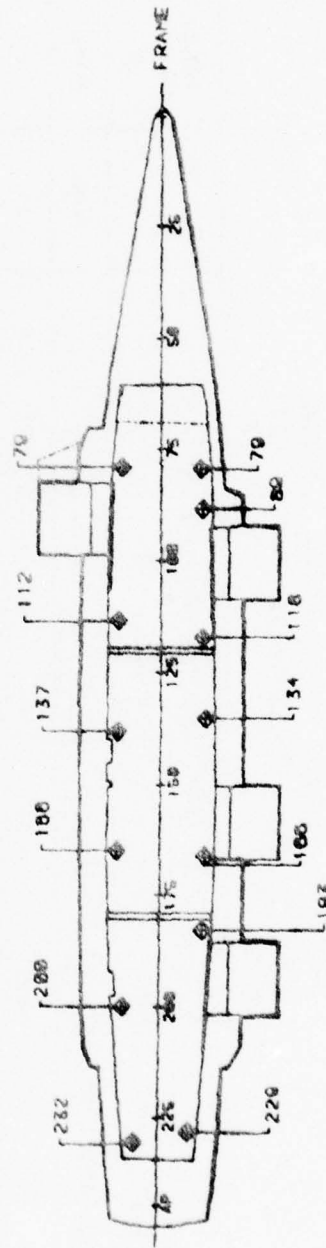
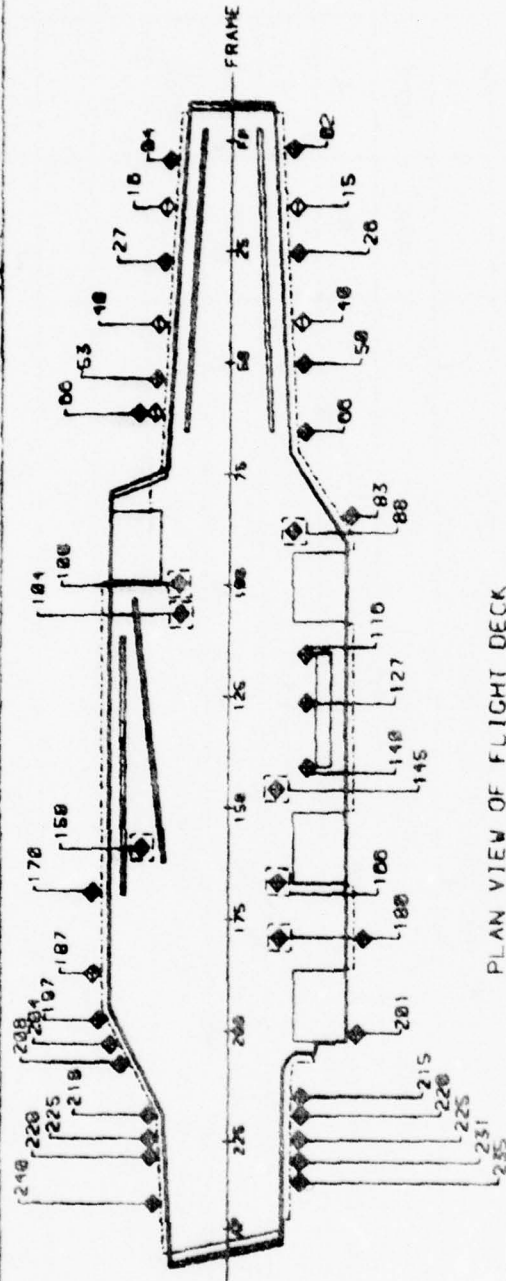
USS FORRESTAL

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

400HZ AIRCRAFT SERVICE

SERVICE OUTLETS	FLT DK	HGR DK
1 400HZ, 3PH, 115/200 VAC, 30KVA, Type I	NONE	NONE
2 400HZ, 3PH, 115/200 VAC, 30KVA, Type III	NONE	NONE
3 400HZ, 3PH, 115/200 VAC, 60KVA, Type I	5	NONE
4 400HZ, 3PH, 115/200 VAC, 60KVA, Type III	35	13

CV-59 FORRESTAL AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (100HZ)

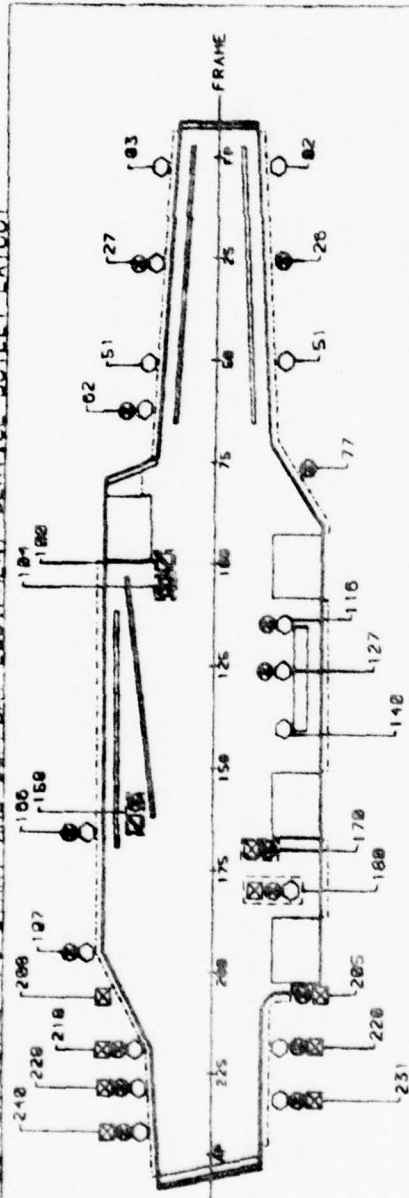


LEGEND
 ○ 400HZ, 3PH, 115/200VAC, 00KVA, TYPE I
 ◆ 400HZ, 3PH, 115/200VAC, 00KVA, TYPE III
 □ RECESSED

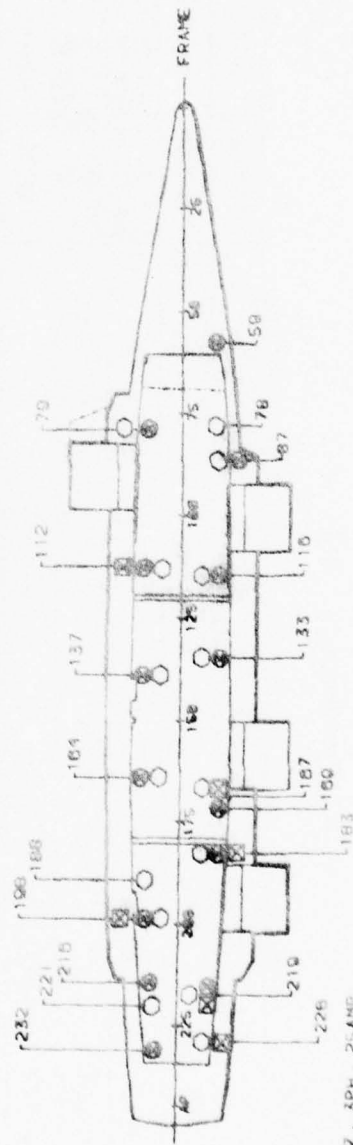
CV-59 USS FORRESTAL

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			
1	440 VAC 60HZ, 3PH, 25 AMP	17	15
2	440 VAC, 60HZ, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60HZ, 3PH, 100 AMP	17	14
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 000 to 000 A Inter	0	5
3	28 5 VDC, 000 AMP Cont, 000 to 000 A Inter	1	1
4	28 5 VDC, 300 AMP cont, 050 to 1000 A Inter	NONE	NONE
5	28 5 VDC, 050 AMP Cont, 050 to 1000 A Inter	2	NONE

CV-59 FORRESTAL A/C START AND SUPPORT EQUIPMENT SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- 440VAC, 60-HZ, 3PH, 25AMP
 - 440VAC, 60-HZ, 3PH, 100AMP
 - 28 5VDC, 550 AMP CONT 050A TO 1200A INTER
 - 28 5VDC, 550 AMP CONT 050A TO 080A INTER
 - 28 5VDC, 550 AMP CONT 080A TO 500A INTER
 - RECESSED

CV-59 USS FORRESTAL

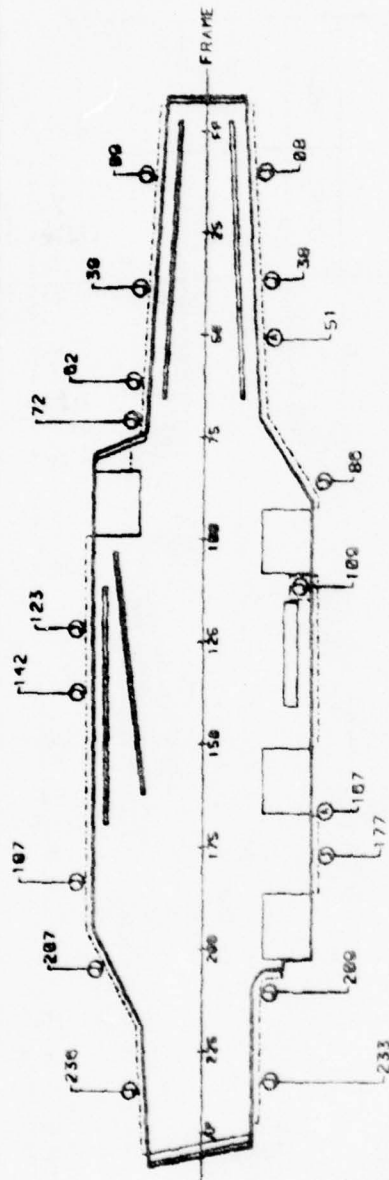
AVIATION FUEL SERVICE

AVIATION GASOLINE AND JP-5

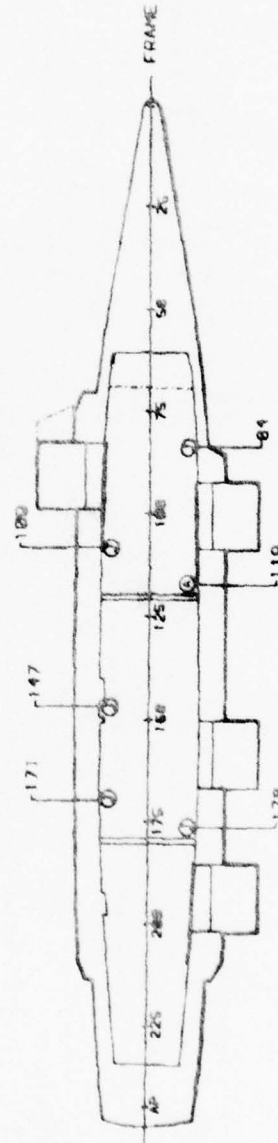
	AV/GAS	JP-5
1 CAPACITY GAL GSX	100,000	1,338,000
2 SERVICE OUTLETS	FLT DK 2 HCR DK 1	FLT DK 10 HCR DK 5
3 HOSES PER OUTLET	NOTE 1 FLT DK 4 HCR DK 2	FLT DK 4 HCR DK 2
4 SERVICE OUTLET CAPACITY, GPH/PSI	100/45	200/45
a TWO OUTLETS OPERATING	100/45	200/45
b FOUR OUTLETS OPERATING	100/45	200/45
c SIX OUTLETS OPERATING	100/45	200/45
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	N/A	N/A
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM	50	50

NOTES
1 JP-5 STATIONS FLT DK FR 52 AND 72 PORT ARE 2 HOSE STATIONS
2 1-1/2" HOSE AV/GAS, 2-1/2" HOSE JP-5

CV-50 FORRESTAL AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



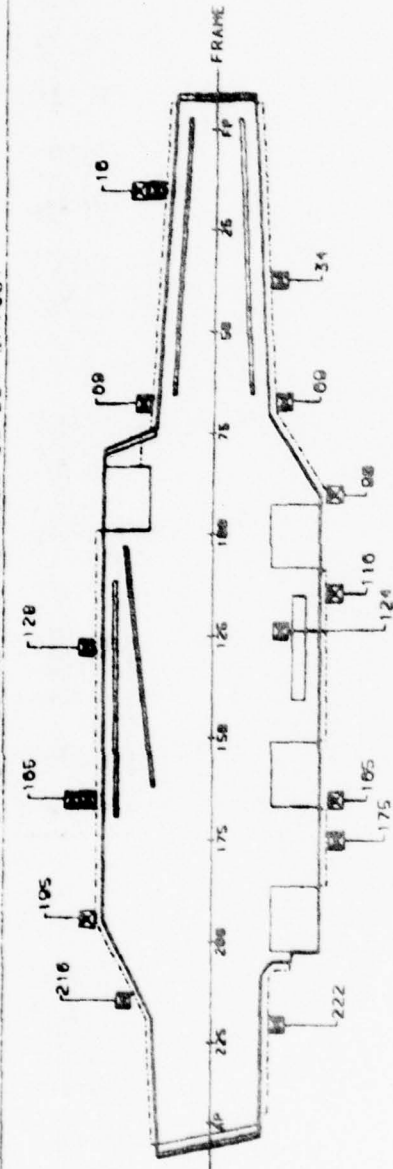
CV-59 USS FORRESTAL

COMPRESSED AIR SERVICE SUMMARY

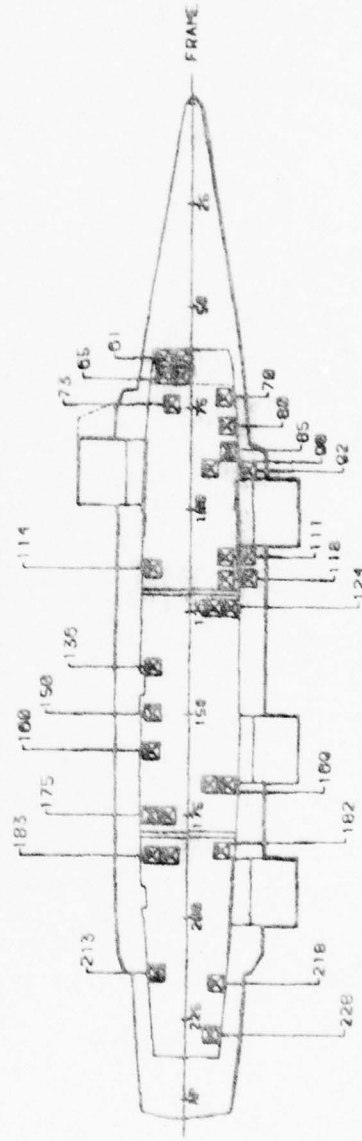
COMPRESSED AIR

LOW PRESSURE	FLT DK	HGR DK
1 SERVICE OUTLETS @ 100-150 PSI	4	25
REDUCED PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1000 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1000 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	11	5
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

CV-59 FORRESTAL COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

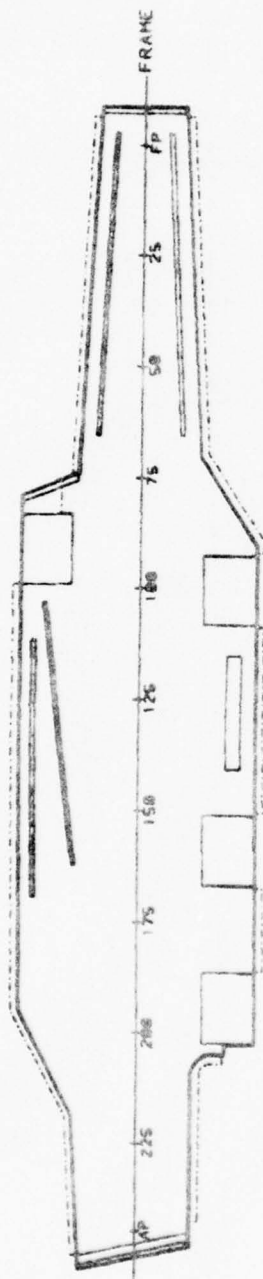
LEGEND

- LOW PRESSURE AIR, 100-150 PSI
- HIGH PRESSURE AIR, 5000 PSI

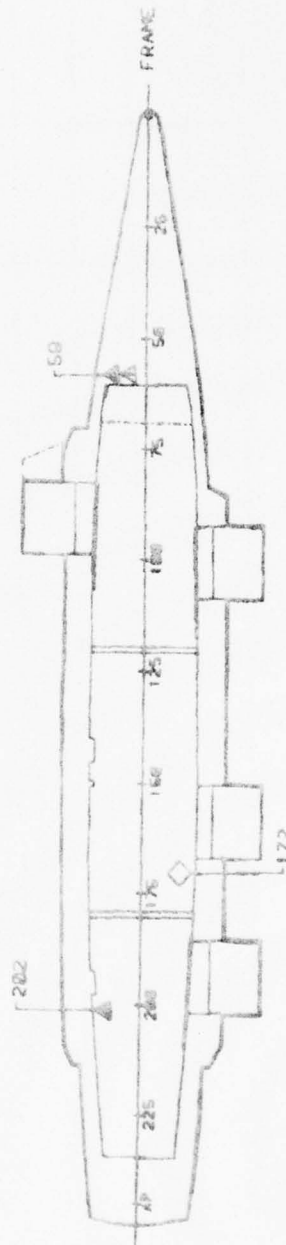
CV-59 USS FORRESTAL

OXYGEN AND NITROGEN SERVICE SUMMARY									
OXYGEN									
1 STORAGE CAPACITY, LIQUID GALS		1500 GAL							
2 GENERATING CAPACITY GPH		15-18							
3 SERVICE OUTLETS, LIQUID		FLT DK NONE		HGR DK 1					
4 SERVICE OUTLETS, GASEOUS		FLT DK NONE		HGR DK 2 ^d					
NITROGEN (OIL FREE)									
1 STORAGE CAPACITY @ 5000 PSI		50 cu ft							
2 SERVICE OUTLETS		FLT DK NONE		HGR DK NONE					
NITROGEN									
1 STORAGE CAPACITY @ 3000 PSI		120 cu ft							
2 SERVICE OUTLETS		FLT DK NONE		HGR DK 1 ^b					
NOTES PRESSURES (PSI)									
a	1800	c	2000	e	2000 - 3000	g	3500	i	5000
b	1000	d	2000	f	2000	h	500		

CV-59 FORRESTAL OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK

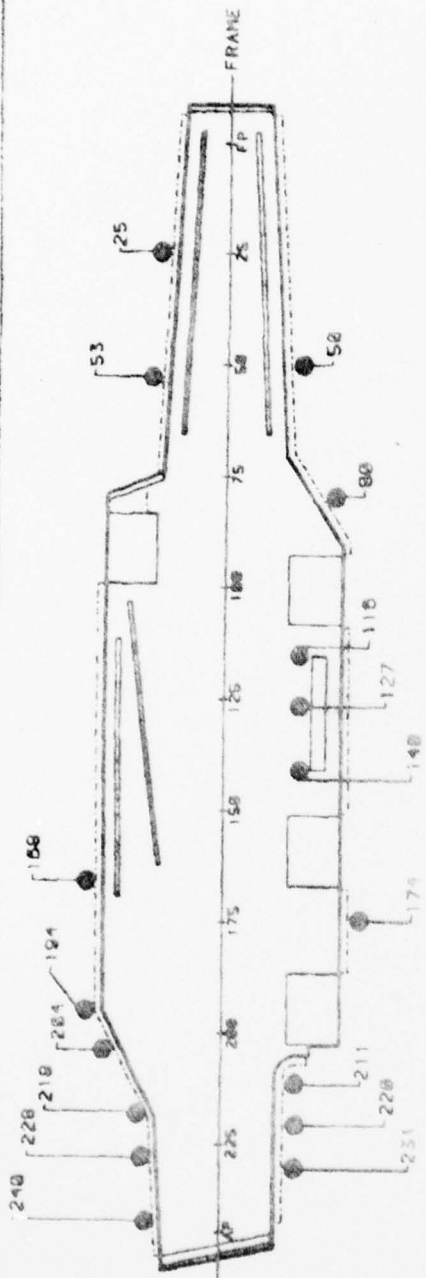


PLAN VIEW OF HANGAR DECK

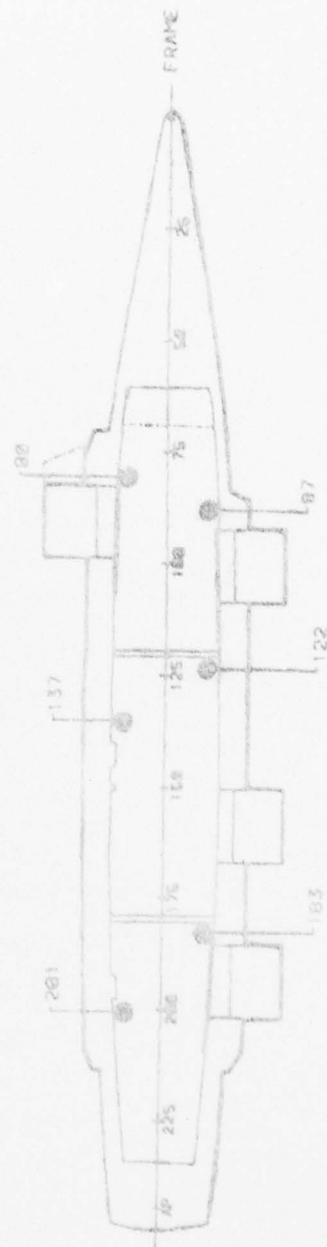
- LEGEND
- ▲ GASEOUS OXYGEN 2000 PSI
 - ▲ LIQUID OXYGEN
 - ◇ GASEOUS NITROGEN 3500 PSI

CV-59 USS FORRESTAL

CV-59 FORRESTAL AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

● ALIGNMENT OUTLET BOX, ANALOG/DIGITAL

CV-59 USS FORRESTAL

<u>CATEGORY</u>		<u>PAGE NO.</u>
1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
3	Aviation Fuel Service Summary	5
	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary	7
	Compressed Air Service Outlet Layout	8
5	Combat Readiness Station Service Summary	N/A
	Combat Readiness Station Layout	N/A
6	Oxygen and Nitrogen Service Summary	11
	Oxygen and Nitrogen Service Outlet Layout	12
7	Aircraft Inertial Alignment Outlet Box Summary	13
	Aircraft Inertial Alignment Outlet Box Layout	14
8	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - MARCH 1974

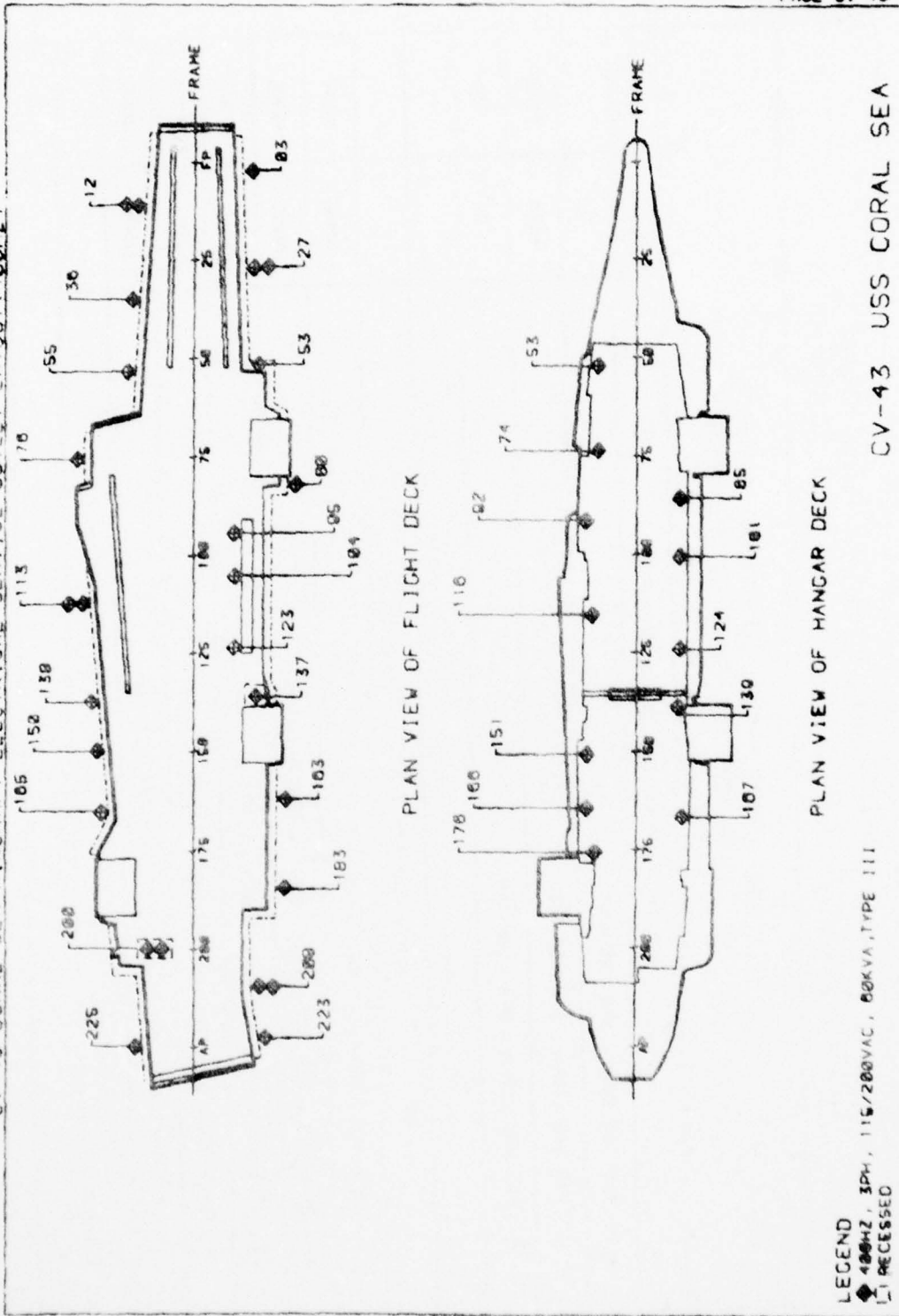
USS CORAL SEA

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

400HZ AIRCRAFT SERVICE

SERVICE OUTLETS	FLT DR	HCR DR
1 400Hz, 3PH, 115/200 VAC, 38KVA, Type I	NONE	NONE
2 400Hz, 3PH, 115/200 VAC, 38KVA, Type III	NONE	NONE
3 400Hz, 3PH, 115/200 VAC, 60KVA, Type I	NONE	NONE
4 400Hz, 3PH, 115/200 VAC, 60KVA, Type III	27	12

CV-43 CORAL SEA AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (420HZ)

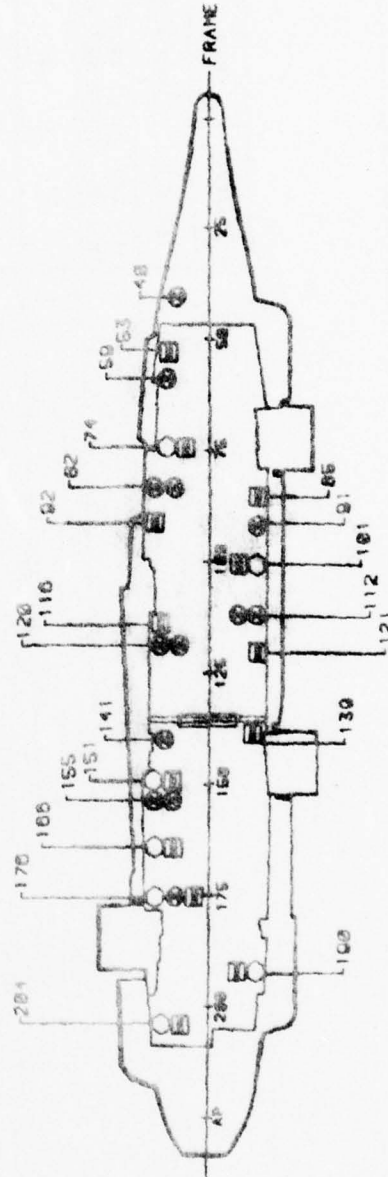


CV-43 USS CORAL SEA

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			
		FLT DK	HCR DK
1. 440 VAC 60Hz, 3PH, 25 AMP		0	7
2. 440 VAC, 60Hz, 3PH, 60 AMP		NONE	NONE
3. 440 VAC, 60Hz, 3PH, 100 AMP		0	13
28 5 VDC A/C SERVICE AND START			
1. 28 5 VDC, 200 AMP Continuous		NONE	NONE
2. 28 5 VDC, 300 AMP Cont, 500 to 800 A Inter		NONE	NONE
3. 28 5 VDC, 600 AMP Cont, 500 to 800 A Inter		NONE	NONE
4. 28 5 VDC, 300 AMP cont, 650 to 1000 A Inter		28	13
5. 28 5 VDC, 650 AMP Cont, 650 to 1000 A Inter		NONE	NONE

[illegible]

PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

CV-43 USS CORAL SEA

LEGEND
 ○ 110VAC, 60HZ, 3PH, 25AMP
 □ 110VAC, 60HZ, 3PH, 100AMP
 △ 28 VDC, 300AMP CONT 650-100A INTER
 — FIREPROOFED

AVIATION FUEL SERVICE

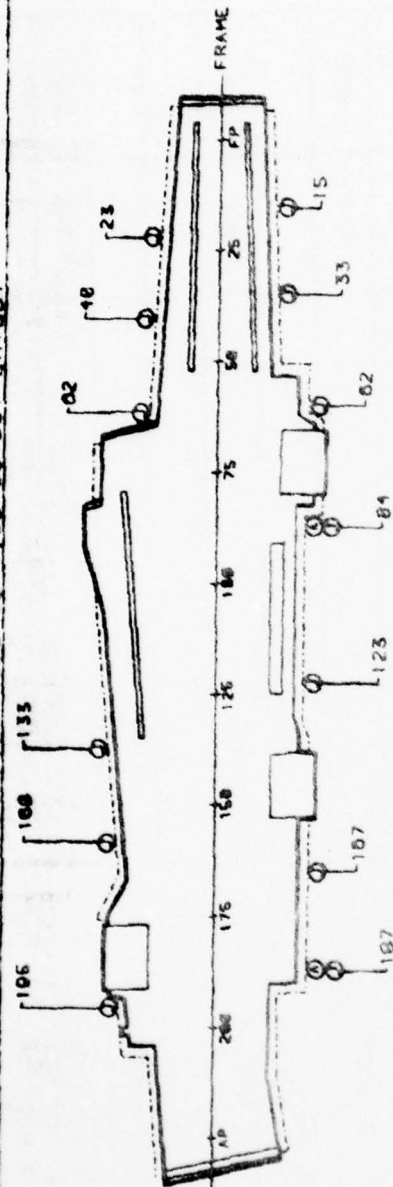
AVIATION GASOLINE AND JP-5

	AV/GAS	JP-5
1. CAPACITY GAL 95%	30,900	1,112,478
2. SERVICE OUTLETS	FLT DK 2 HGR DK 0	FLT DK 13 HGR DK 0
3. HOSES PER OUTLET	2	2
4. SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 1	200/40
a. TWO OUTLETS OPERATING	100/40	200/40
b. FOUR OUTLETS OPERATING	100/40	200/40
c. SIX OUTLETS OPERATING	100/40	200/40
5. DEFUELING CAPACITY PER SERVICE OUTLET GPM	100	100
6. DEFUELING CAPACITY PER PORTABLE PUMP GPM	25	25

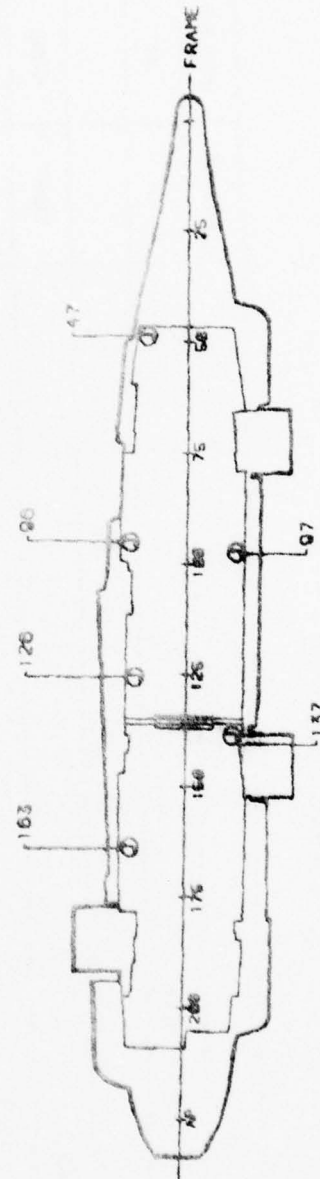
NOTES

1. 1-1/2" HOSE AV/GAS, 2-1/2" HOSE JP-5

CV-43 CORAL SEA AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



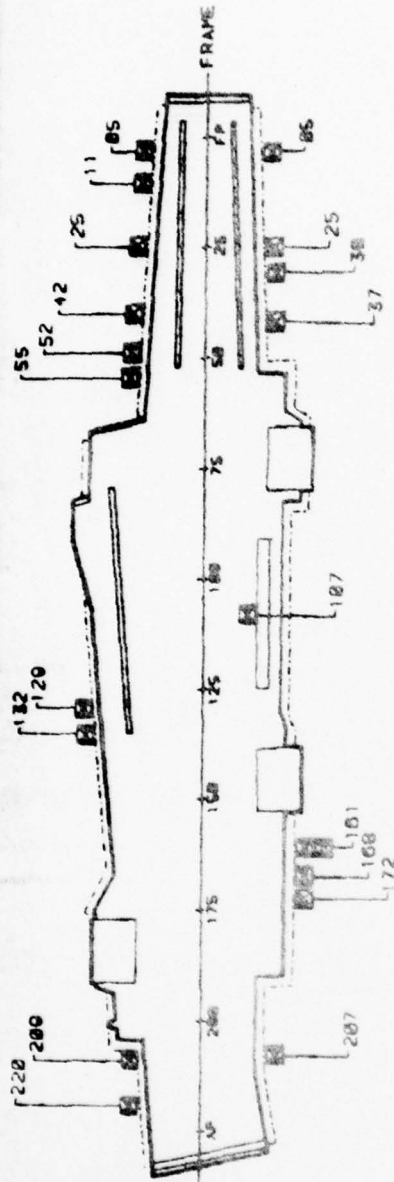
PLAN VIEW OF HANGAR DECK

LEGEND
① AV/GAS
② JP-5

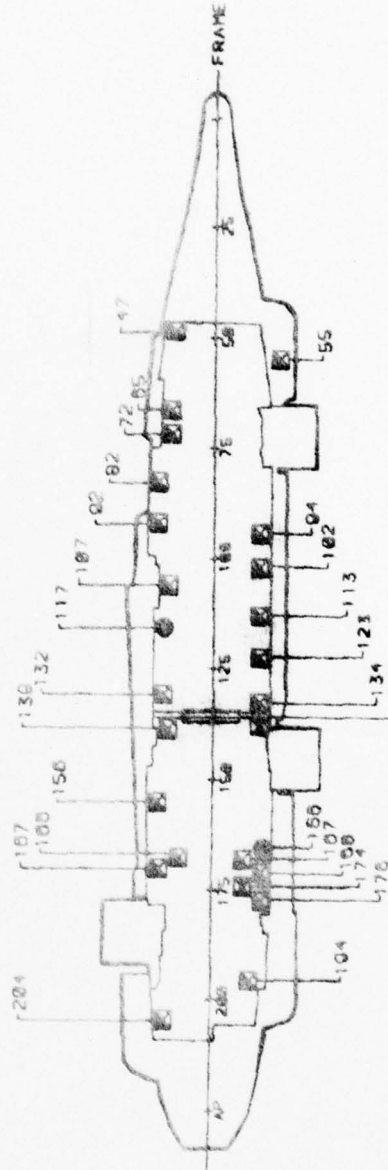
CV-43 USS CORAL SEA

COMPRESSED AIR SERVICE SUMMARY			
COMPRESSED AIR			
LOW PRESSURE		FLT DK	HGR DK
1 SERVICE OUTLETS @ 150 PSI		5	22
REDUCED PRESSURE		NONE	NONE
1 SERVICE OUTLETS @			
MEDIUM PRESSURE			
1 SERVICE OUTLETS @ 1800 PSI		NONE	NONE
MEDIUM TO HIGH PRESSURE			
1 SERVICE OUTLETS @ 1800 TO 3000 PSI (VARIABLE)		NONE	2
HIGH PRESSURE			
1 SERVICE OUTLETS @ 3000 PSI		15	2
TIRE CHANGING AIR		NONE	NONE
1 SERVICE OUTLETS @			

CV-43 CORAL SEA COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

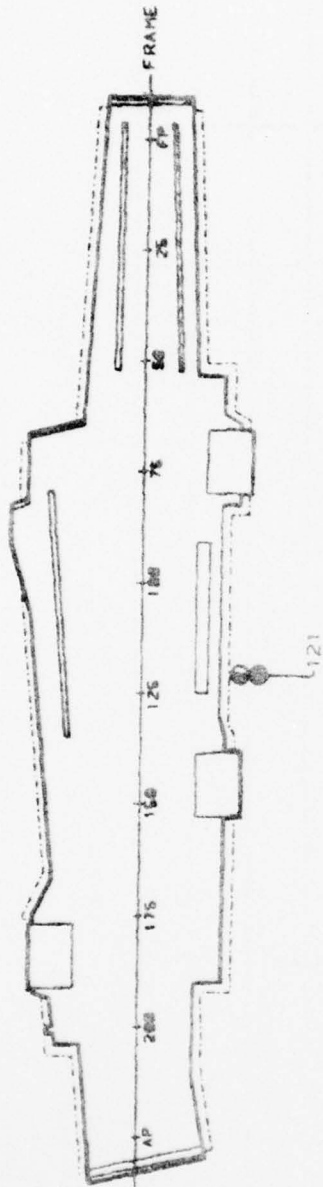
LEGEND

- LOW PRESSURE AIR 150 PSI
- HIGH PRESSURE AIR 3000 PSI
- MEDIUM PRESSURE AIR 1800-2000 PSI

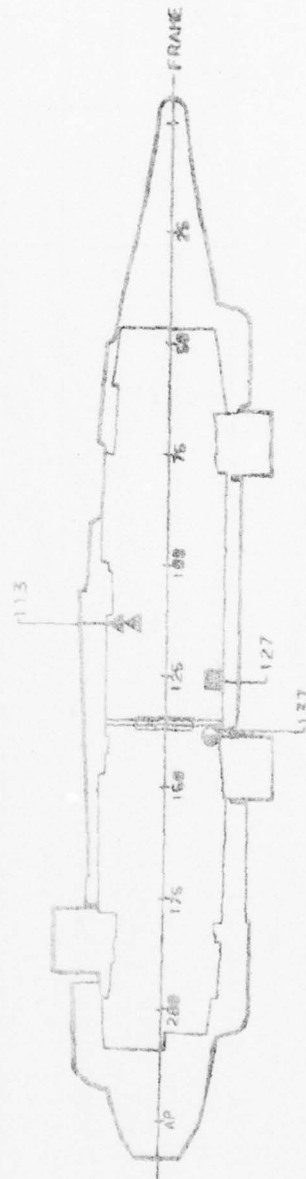
CV-43 USS CORAL SEA

OXYGEN AND NITROGEN SERVICE SUMMARY			
OXYGEN			
1	STORAGE CAPACITY, LIQUID GALS	1200	
2	GENERATING CAPACITY GPH	100	
3	SERVICE OUTLETS, LIQUID	FLT DK NONE	HCR DK 1
4	SERVICE OUTLETS, GASEOUS	FLT DK NONE	HCR DK 1 ^d
NITROGEN (OIL FREE)			
1	STORAGE CAPACITY @ 5000 PSI	60 CU FT	
2	SERVICE OUTLETS	FLT DK 1 ^f , 1 ^g	HCR DK 1 ^j
NITROGEN			
1	STORAGE CAPACITY @ 3000 PSI	120 CU FT	
2	SERVICE OUTLETS	FLT DK NONE	HCR DK 1 ^f
NOTES PRESSURES (PSI)			
a	1000	c 2000	e 2000 - 3000 g 3500 i 5000
b	1000	d 2000	f 3000 h 500

CV-43 CORAL SEA OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- ▲ GASEOUS OXYGEN, 2000 PSI
 - ▲ LIQUID OXYGEN
 - GASEOUS NITROGEN, 2000-3200 PSI
 - GASEOUS NITROGEN, 1000 PSI
 - GASEOUS NITROGEN, 500 PSI

CV-43 USS CORAL SEA

AIRCRAFT INERTIAL ALIGNMENT
OUTLET BOX SUMMARY

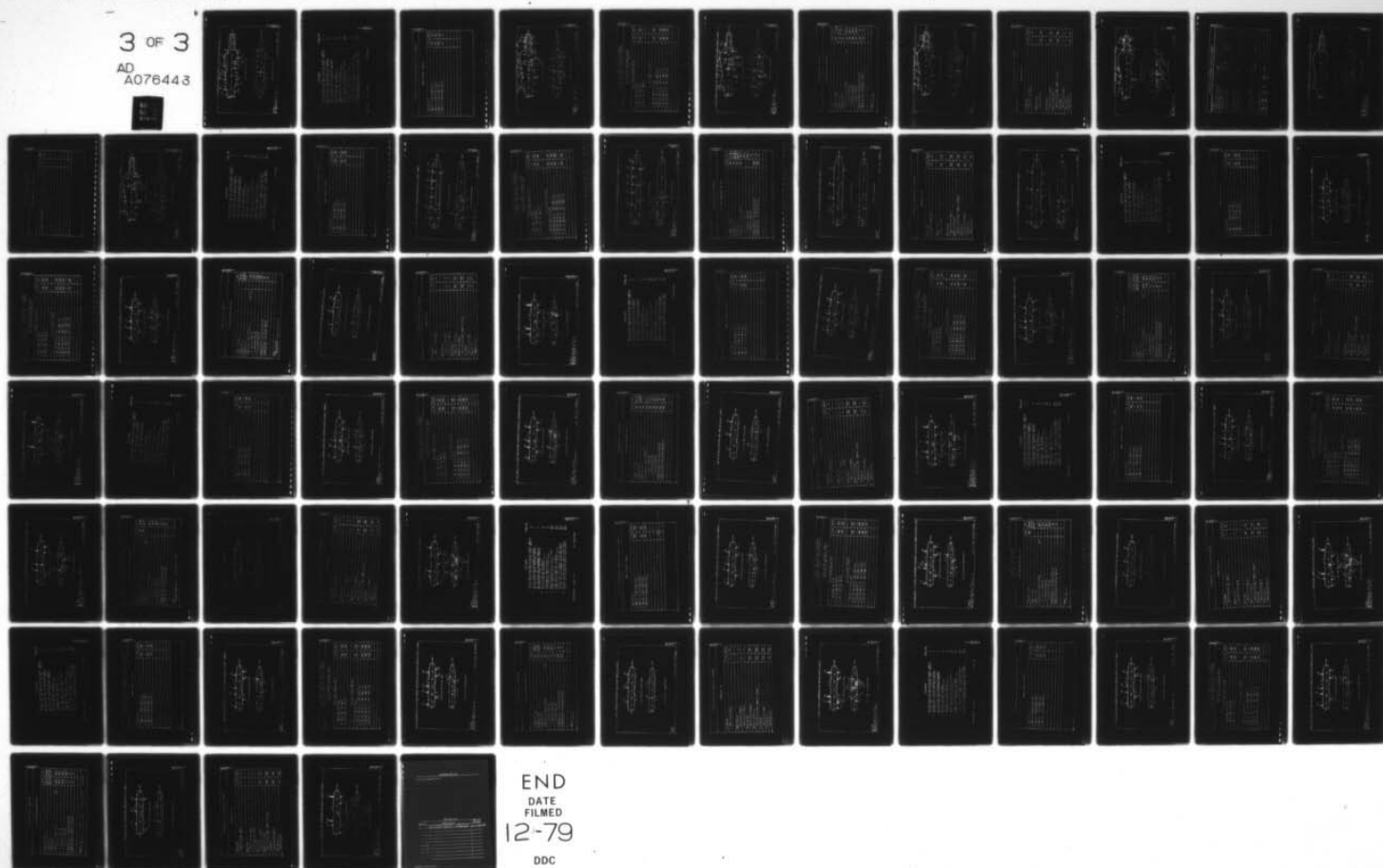
AIRCRAFT INERTIAL ALIGNMENT SYSTEM

[illegible]

AD-A076 443 NAVAL AIR ENGINEERING CENTER LAKEHURST NJ ENGINEERING--ETC F/G 1/3
COMPILATION OF DATA COVERING AIRCRAFT SERVICING FACILITIES ABOA--ETC(U)
OCT 79 M A STRANO
UNCLASSIFIED NAEC-ENG-6703-REV-15 NL

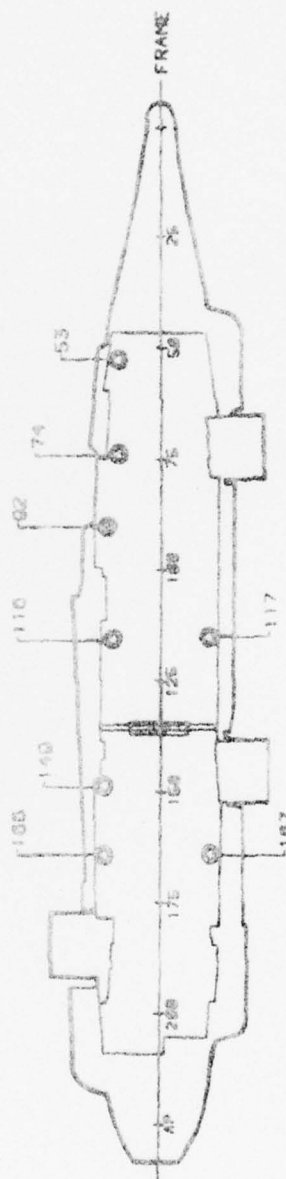
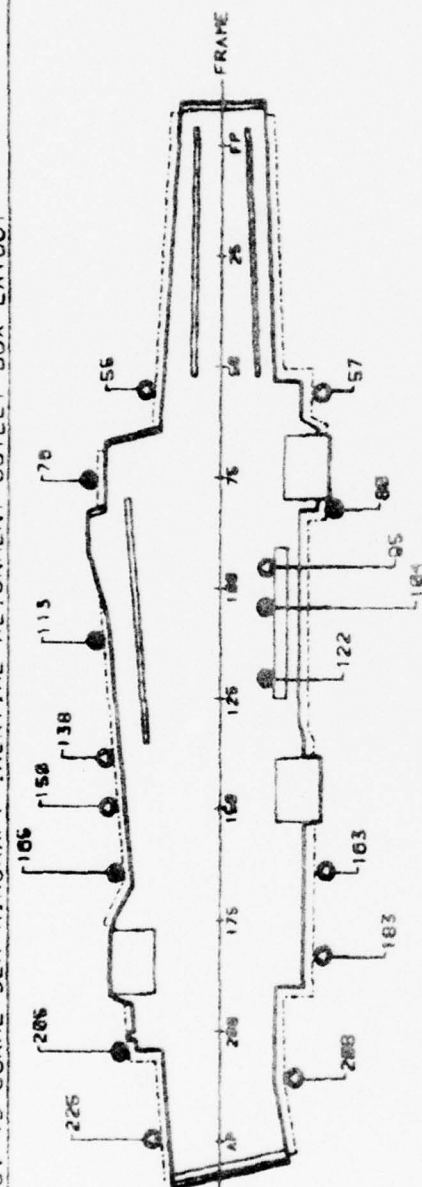
3 OF 3

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DATE
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CV-43 CORAL SEA AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



LEGEND

ALIGNMENT OUTLET BOX (ANALOG.)

ALIGNMENT OUTLET BOX (ANALOG)
ALIGNMENT OUTLET BOX (ANALOG/DIGITAL)

CV-43 USS CORAL SEA

CATEGORY PAGE NO.

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
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	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary	7
	Compressed Air Service Outlet Layout	8
5	Combat Readiness Station Service Summary	N/A
	Combat Readiness Station Layout	N/A
6	Oxygen and Nitrogen Service Summary	11
	Oxygen and Nitrogen Service Outlet Layout	12
7	Aircraft Inertial Alignment Outlet Box Summary	13
	Aircraft Inertial Alignment Outlet Box Layout	14
8	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - AUGUST 1973

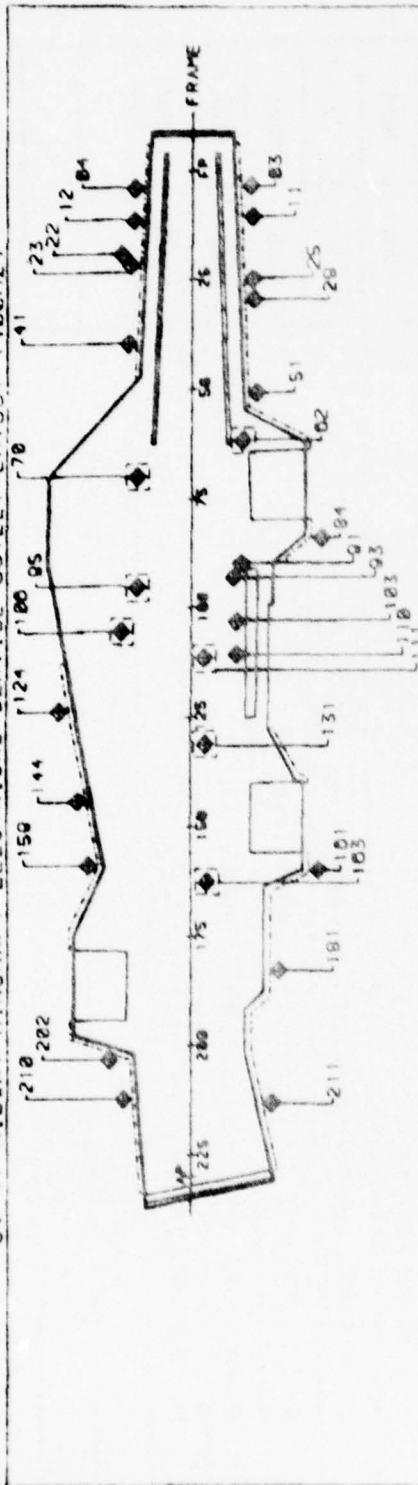
USS MIDWAY

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

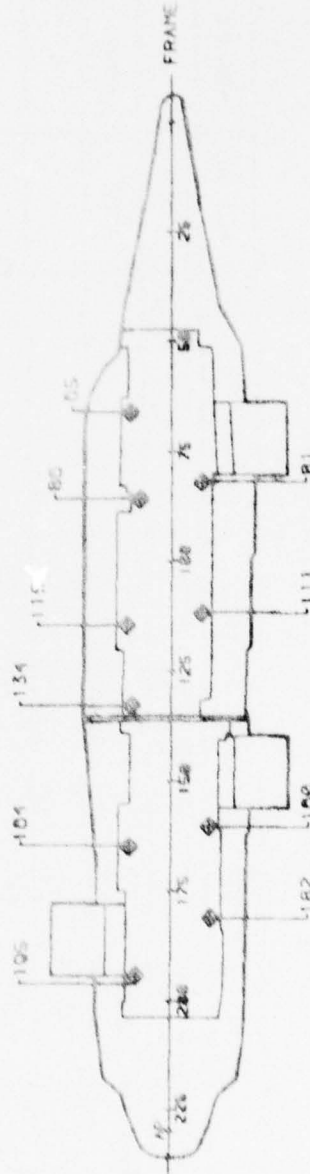
400HZ AIRCRAFT SERVICE

SERVICE OUTLETS	FLT DK	HCR DK
1 400Hz, 3PH, 115/200 VAC, 50KVA, Type I	NONE	NONE
2 400Hz, 3PH, 115/200 VAC, 50KVA, Type III	NONE	NONE
3 400Hz, 3PH, 115/200 VAC, 50KVA, Type I	NONE	NONE
4 400Hz, 3PH, 115/200 VAC, 50KVA, Type III	30	10

CV-41 MIDWAY AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

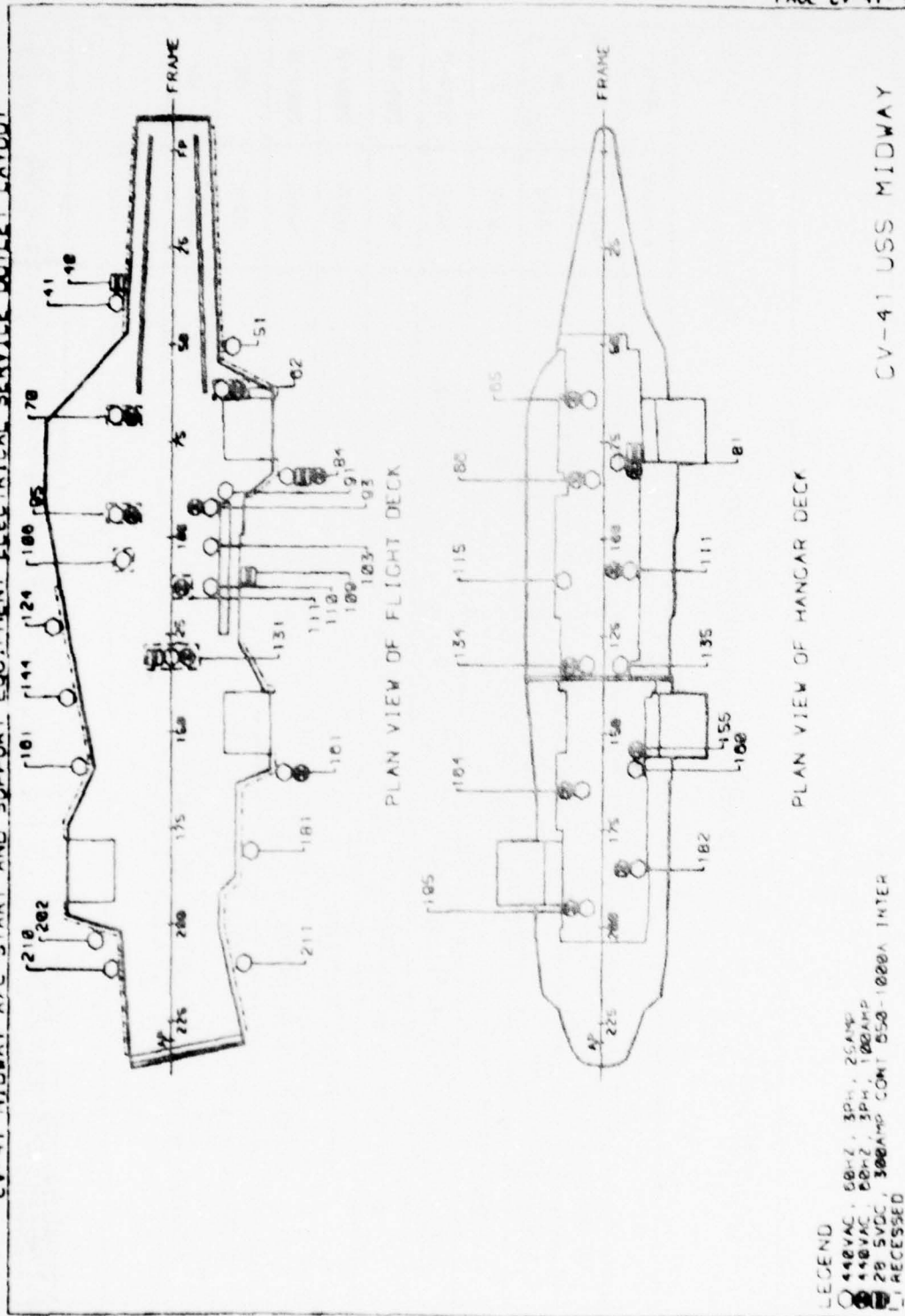
LEGEND

- ◆ 400-Hz, 3PH, 115/200VAC, 80KVA, TYPE III
- RECESSED

CV-41 USS MIDWAY

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			FLT DK
440 VAC SUPPORT EQUIPMENT SERVICE			HCR DK
1	440 VAC 60HZ, 3PH, 25 AMP	28	11
2	440 VAC, 60HZ, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60HZ, 3PH, 100 AMP	8	9
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP CONTINUOUS	NONE	NONE
2	28 5 VDC, 300 AMP CONT, 000 TO 000 A Inter	4	1
3	28 5 VDC, 500 AMP CONT, 000 TO 000 A Inter	NONE	NONE
4	28 5 VDC, 300 AMP CONT, 050 TO 1000 A Inter	NONE	NONE
5	28 5 VDC, 050 AMP CONT, 050 TO 1000 A Inter	NONE	NONE

CV-41 MIDWAY A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



LEGEND

- 440VAC, 60Hz, 3PH, 25AMP
- 440VAC, 60Hz, 3PH, 100AMP
- ▤ 28 5VDC, 300AMP CONT 550-1000A INTER
- - - RECESSED

PLAN VIEW OF HANGAR DECK

PLAN VIEW OF FLIGHT DECK

CV-41 USS MIDWAY

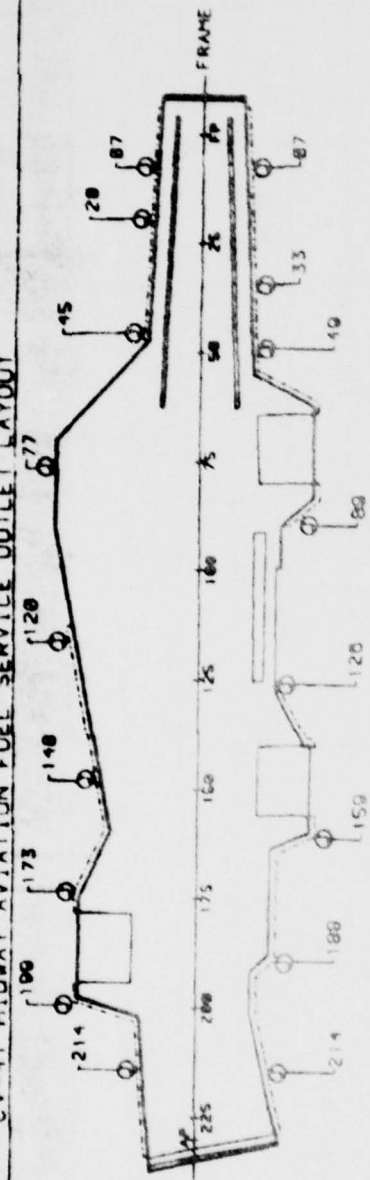
AVIATION FUEL SERVICE

AVIATION GASOLINE AND JP-5

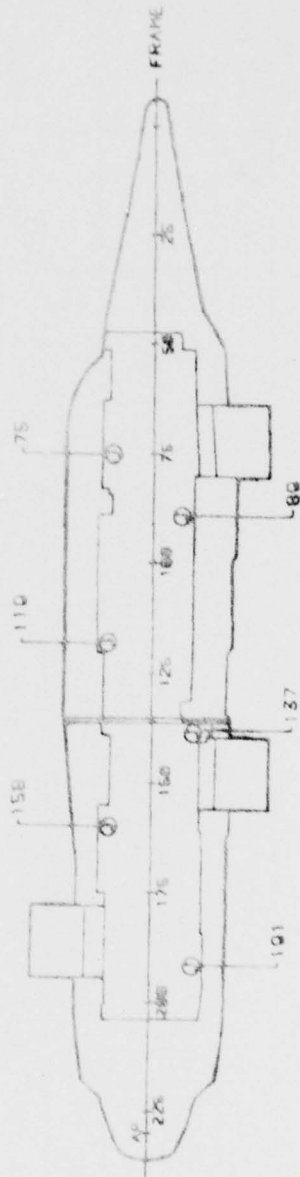
	AV/GAS	JP-5
1 CAPACITY GAL Q5X	NONE	1,179,828
2 SERVICE OUTLETS	NONE	FLT DK 17 HCR DK 5
3 HOSES PER OUTLET	NONE	2
4 SERVICE OUTLET CAPACITY, GPM/PSI	NONE	200/40
a TWO OUTLETS OPERATING	NONE	200/40
b FOUR OUTLETS OPERATING	NONE	200/40
c SIX OUTLETS OPERATING	NONE	200/40
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	NONE	100
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM	NONE	50

NOTES
1 JP-5 2-1/2" HOSE

CV-41 MIDWAY AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

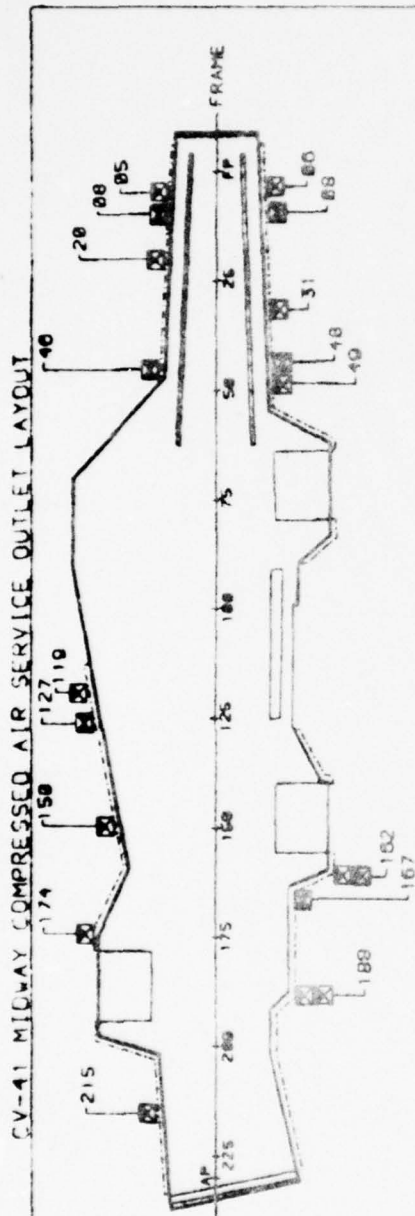
LEGEND
② JP-5

CV-41 USS MIDWAY

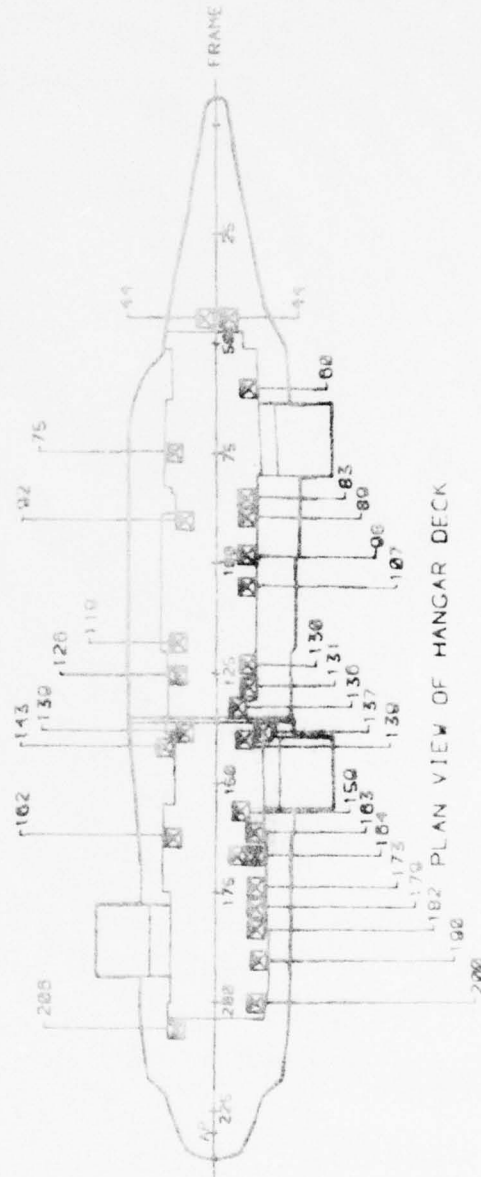
COMPRESSED AIR SERVICE SUMMARY

COMPRESSED AIR

LOW PRESSURE	FLT DK	MCR DK
1 SERVICE OUTLETS @ 100 PSI	13	20
REDUCED PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1800 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1800 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	0	3
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 LOW PRESSURE AIR, 100 PSI
 HIGH PRESSURE AIR, 5000 PSI

CV-41 USS MIDWAY

OXYGEN AND NITROGEN SERVICE SUMMARY

OXYGEN

1 STORAGE CAPACITY, LIQUID GALS	2100	
2 GENERATING CAPACITY DPH	18 0	
3 SERVICE OUTLETS, LIQUID	FLT DK NONE	HGR DK 3
4 SERVICE OUTLETS, GASEOUS	FLT DK 1 ^d	HGR DK 3 ^d

NITROGEN (OIL FREE)

1 STORAGE CAPACITY @ 5000 PSI	75 cu ft	
2 SERVICE OUTLETS	FLT DK NONE	HGR DK 3 ^d

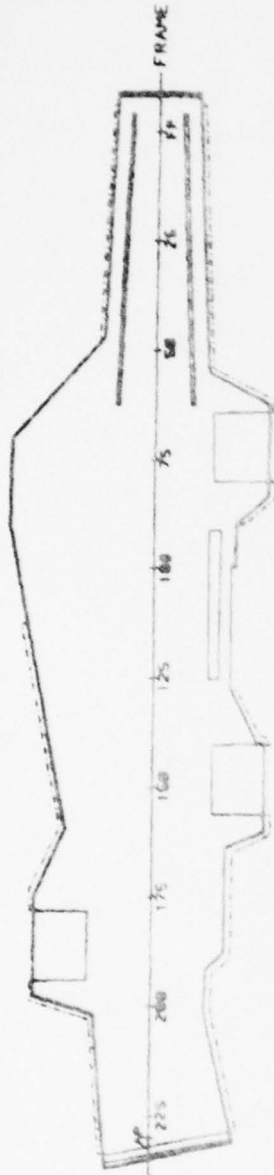
NITROGEN

1 STORAGE CAPACITY @ 3000 PSI	32 cu ft	
2 SERVICE OUTLETS	FLT DK NONE	HGR DK 1 ^c , 1 ^f

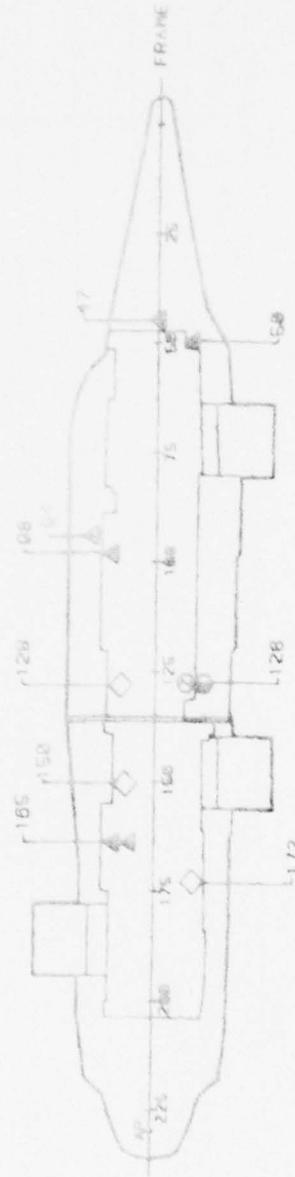
NOTES PRESSURES (PSI)

a 1800	c 2000	e 2000 - 3000	g 3500	i 5000
b 1000	d 2000	f 3000	h 500	

CV-41 MIDWAY OXYGEN AND NITROGEN SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- GASEOUS OXYGEN 2000 PSI
 - LIQUID OXYGEN
 - GASEOUS NITROGEN 2000 PSI
 - GASEOUS NITROGEN 2000 PSI
 - GASEOUS NITROGEN 3500 PSI

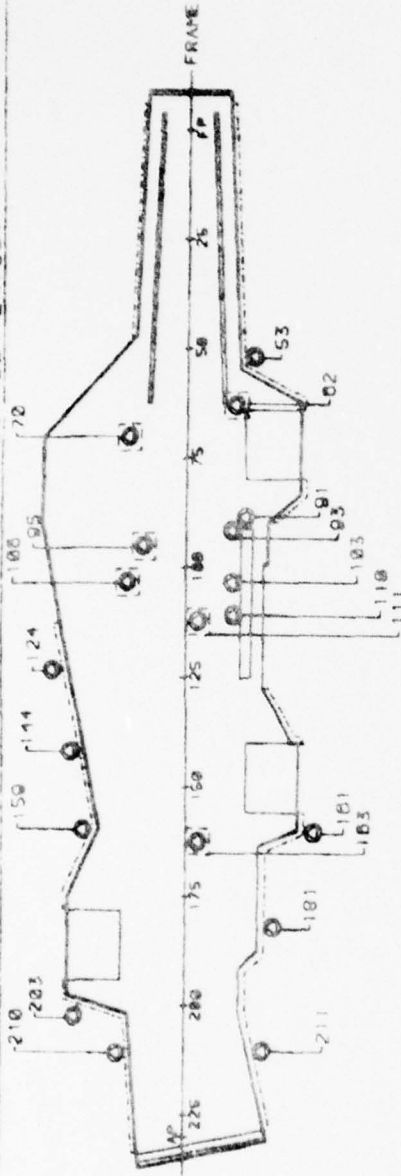
CV-41 USS MIDWAY

AIRCRAFT INERTIAL ALIGNMENT
OUTLET BOX SUMMARY

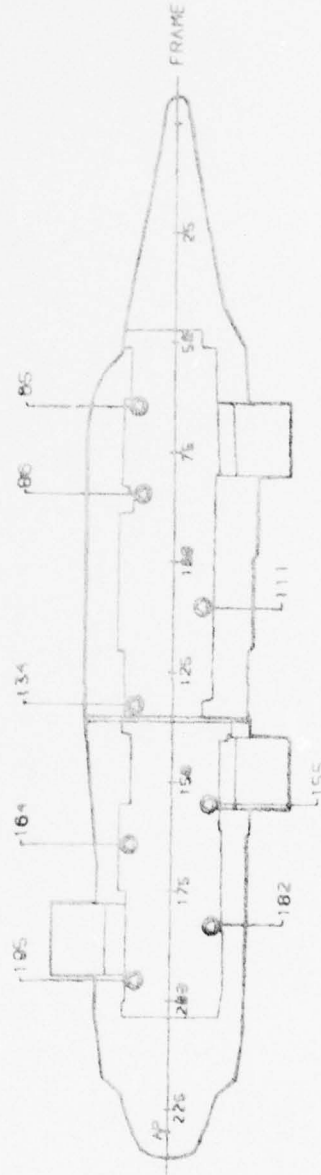
AIRCRAFT INERTIAL ALIGNMENT SYSTEM

[illegible]

CV-41 MIDWAY AIRCRAFT INERTIAL ALIGNMENT OUTLET BOX LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ ALIGNMENT OUTLET BOX
 □ RECESSED

CV-41 USS MIDWAY

<u>CATEGORY</u>		<u>PAGE NO.</u>
1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
3	Aviation Fuel Service Summary	5
	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary	7
	Compressed Air Service Outlet Layout	8
5	Combat Readiness Station Service Summary	N/A
	Combat Readiness Station Layout	N/A
6	Oxygen and Nitrogen Service Summary	N/A
	Oxygen and Nitrogen Service Outlet Layout	N/A
7	Aircraft Inertial Alignment Outlet Box Summary	N/A
	Aircraft Inertial Alignment Outlet Box Layout	N/A
8	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - AUGUST 1978

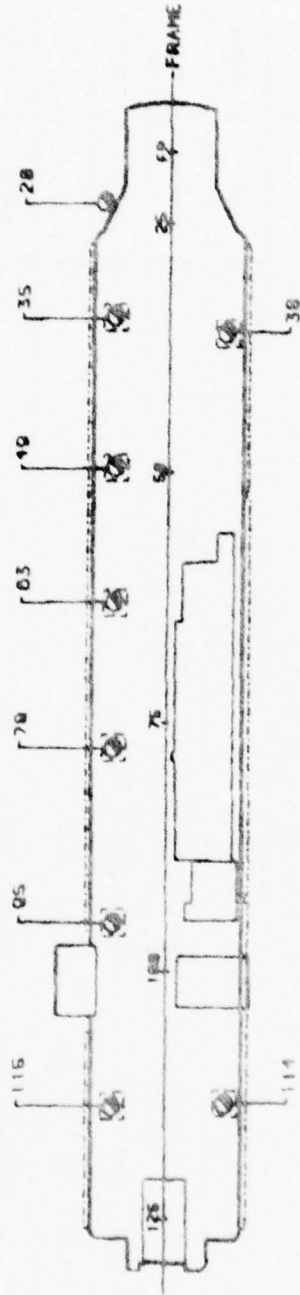
USS TARAWA

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

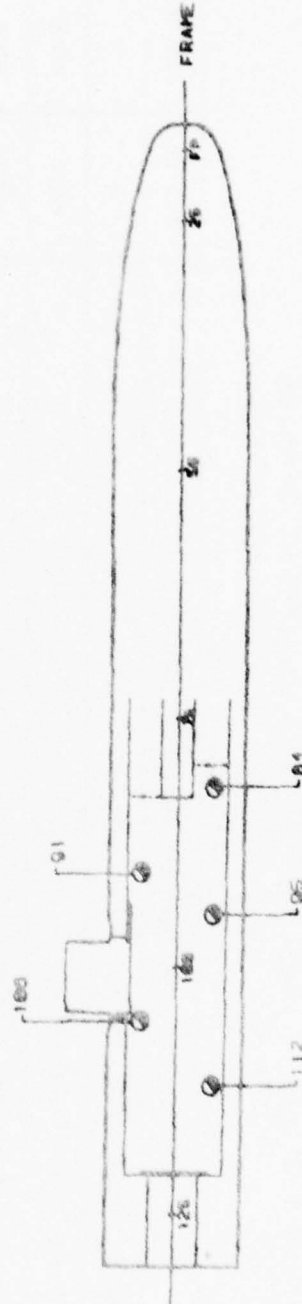
400HZ AIRCRAFT SERVICE

SERVICE OUTLETS	FLT DK	HGR DK
1 400Hz, 3PH, 115/200 VAC, 30KVA, Type I	NONE	NONE
2 400Hz, 3PH, 115/200 VAC, 30KVA, Type III	9	5
3 400Hz, 3PH, 115/200 VAC, 30KVA, Type I	NONE	NONE
4 400Hz, 3PH, 115/200 VAC, 30KVA, Type III	NONE	NONE

LHA-1 TARAVA AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 400HZ, 3PH, 115/200VAC, 30KVA, TYPE III
 RECESSED

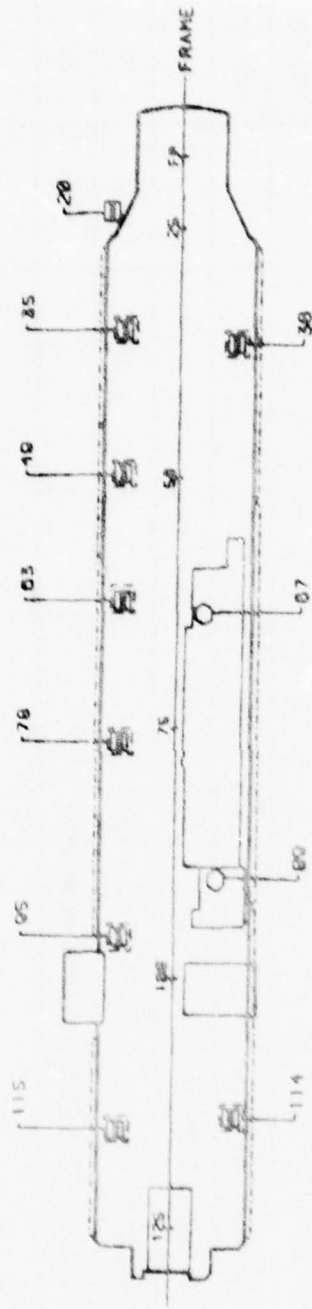
LHA-1 USS TARAVA

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY

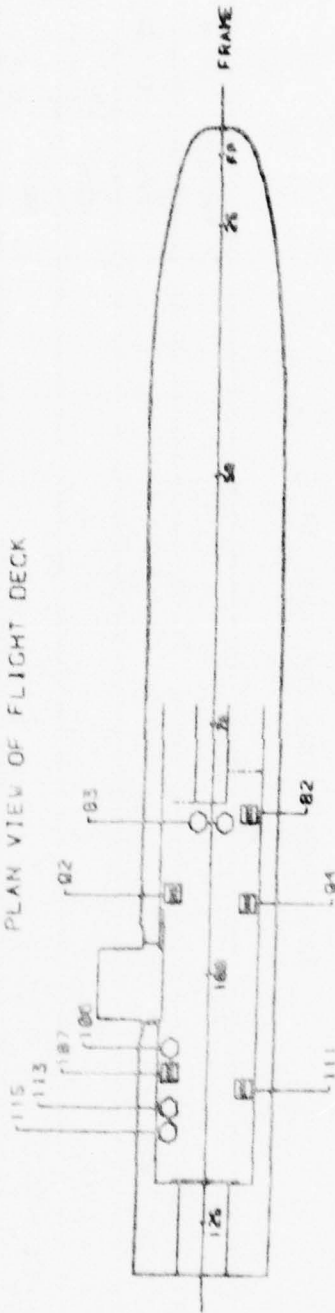
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START

		FLT DK	MCB DK
440 VAC SUPPORT EQUIPMENT SERVICE			
1	440 VAC 60Hz, 3PH, 25 AMP	2	4
2	440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	NONE	NONE
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 500 to 900 A Inter	NONE	NONE
3	28 5 VDC, 600 AMP Cont, 600 to 900 A Inter	NONE	NONE
4	28 5 VDC, 300 AMP cont, 050 to 1000 A Inter	9	5
5	28 5 VDC, 050 AMP Cont, 050 to 1000 A Inter	NONE	NONE

LHA-1 TARAWA A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



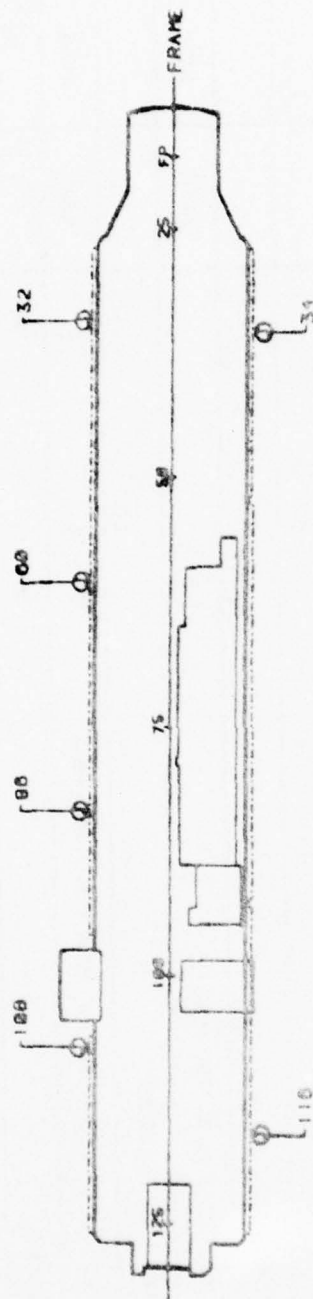
PLAN VIEW OF HANGAR DECK

LEGEND
 115VAC, 60HZ, 3PH, 25AMP
 28 SVDC, 300AMP CONT, 058-1000A INTER
 RECESSED

LHA-1 USS TARAWA

AVIATION FUEL SERVICE		
AVIATION GASOLINE AND JP-5		
	AV/GAS	JP-5
1 CAPACITY GAL. 95X	NONE	417,800
2 SERVICE OUTLETS	NONE	FLT DK 8 HGR DK 2
3 HOSES PER OUTLET	NONE	FLT DK 2 HGR DK 1
4 SERVICE OUTLET CAPACITY, GPM/PSI	NONE	288/45
a TWO OUTLETS OPERATING		288/45
b FOUR OUTLETS OPERATING		288/45
c SIX OUTLETS OPERATING		N/A
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	NONE	12
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM	NONE	25

LHA-1 TARAWA AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
JP-5

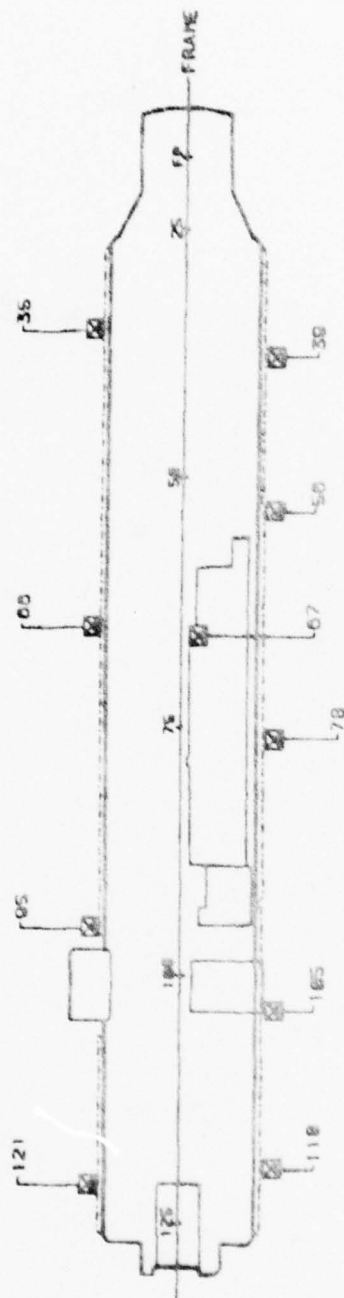
LHA-1 USS TARAWA

COMPRESSED AIR SERVICE SUMMARY

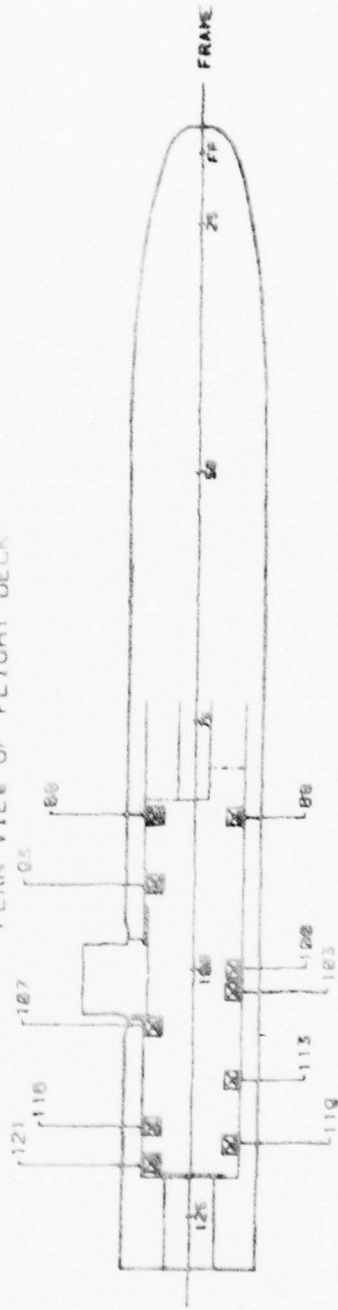
COMPRESSED AIR

LOW PRESSURE	FLT DK	HQR DK
1 SERVICE OUTLETS @ 125 PSI	10	10
REDUCED PRESSURE		
1 SERVICE OUTLETS @	NONE	NONE
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1800 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1800 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

LHA-1 TARAWA COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

LOW PRESSURE AIR, 125 PSI

LHA-1 USS TARAWA

PAGE NO.

CATEGORY

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
2	Aircraft Electrical Service Outlet Layout (400 Hz)	2
3	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
4	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
5	Aviation Fuel Service Summary	5
6	Aviation Fuel Service Outlet Layout	6
7	Compressed Air Service Summary	7
8	Compressed Air Service Outlet Layout	8
N/A	Combat Readiness Station Service Summary	N/A
N/A	Combat Readiness Station Layout	N/A
N/A	Oxygen and Nitrogen Service Summary	N/A
N/A	Oxygen and Nitrogen Service Outlet Layout	N/A
N/A	Aircraft Inertial Alignment Outlet Box Summary	N/A
N/A	Aircraft Inertial Alignment Outlet Box Layout	N/A
N/A	Aircraft Cooling and Starting Air Outlet Summary	N/A
N/A	Aircraft Cooling and Starting Air Outlet Layout	N/A

USS INCHON

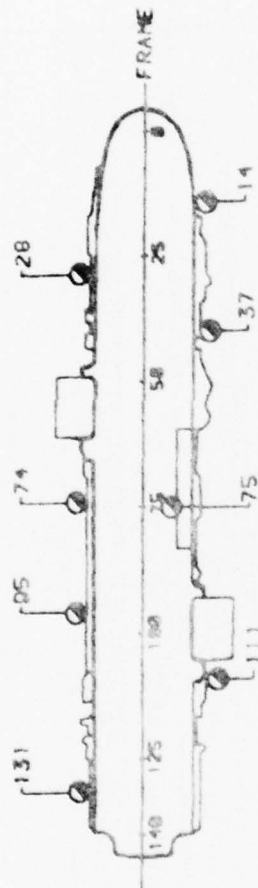
LATEST CHECK - AUGUST 1970

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

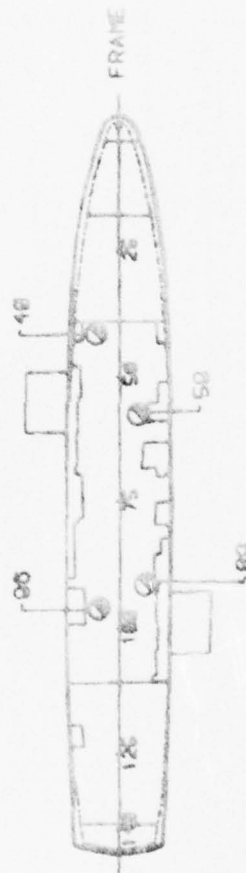
400HZ AIRCRAFT SERVICE

SERVICE OUTLETS	FLT OK	WCR OK
1 400Hz, 3PH, 115/200 VAC, 50KVA, Type I	NONE	NONE
2 400Hz, 3PH, 115/200 VAC, 30KVA, Type III	8	4
3 400Hz, 3PH, 115/200 VAC, 50KVA, Type I	NONE	NONE
4 400Hz, 3PH, 115/200 VAC, 50KVA, Type III	NONE	NONE

LPH-12 INCHON AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



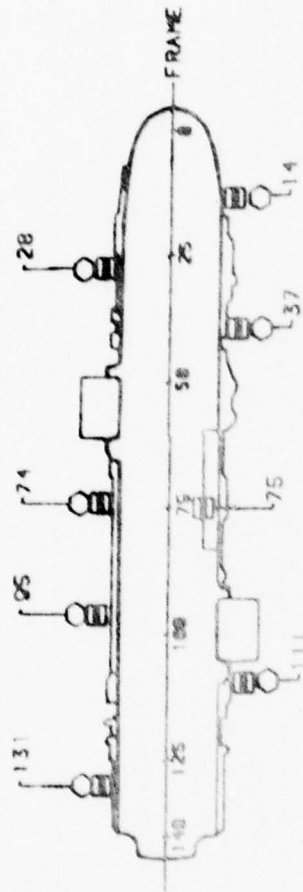
PLAN VIEW OF HANGAR DECK

LEGEND

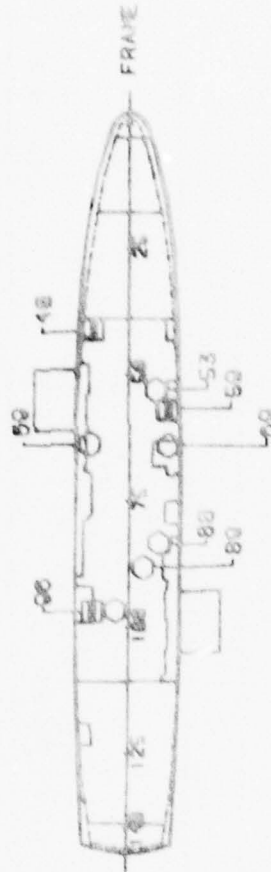
● 400HZ, 3PH, 115/200VAC, 30KVA, TYPE III

LPH-12 USS INCHON

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			
1	440 VAC 60HZ, 3PH, 25 AMP	7	8
2	440 VAC, 60HZ, 3PH, 60 AMP	NONE	NONE
3	440 VAC, 60HZ, 3PH, 180 AMP	NONE	NONE
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 2000 AMP Continuous	NONE	NONE
2	28 5 VDC, 380 AMP Cont, 600 to 900 A Inter	NONE	NONE
3	28 5 VDC, 560 AMP Cont, 600 to 900 A Inter	NONE	NONE
4	28 5 VDC, 300 AMP cont, 650 to 1000 A Inter	8	3
5	28 5 VDC, 650 AMP Cont, 650 to 1000 A Inter	NONE	NONE



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

20 5VDC, 3000AMP CONT 650-1000A INTER

LPH-12 USS INCHON

AVIATION FUEL SERVICE

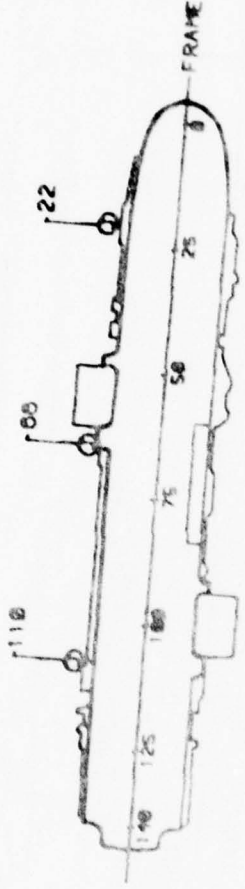
AVIATION GASOLINE AND JP-5

		JP-5
1 CAPACITY GAL 95X		398,180
2 SERVICE OUTLETS		FLT DK 3 HCR DK 2
3 HOSES PER OUTLET		2
4 SERVICE OUTLET CAPACITY, GPM/PSI	NOTES 1 & 2	175/48
a TWO OUTLETS OPERATING		175/48
b FOUR OUTLETS OPERATING		175/48
c SIX OUTLETS OPERATING		NONE
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM		50
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM		25

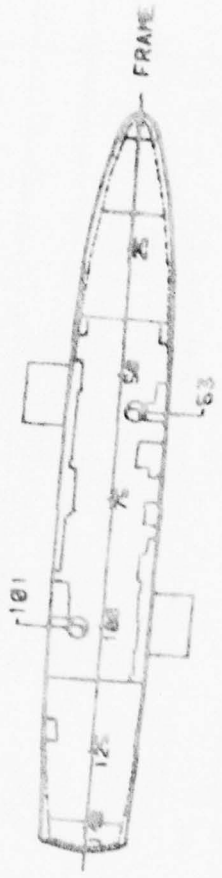
NOTES:

- 1 JP-5 1-1/2" HOSE
- 2 PRESSURE REDUCED TO 200 PSI AT FR 22, FLT DK

LPH-12 INCHON AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
JP-5

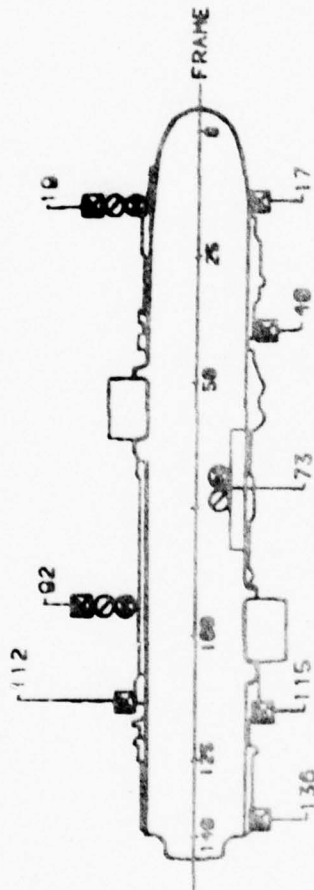
LPH-12 USS INCHON

COMPRESSED AIR SERVICE SUMMARY

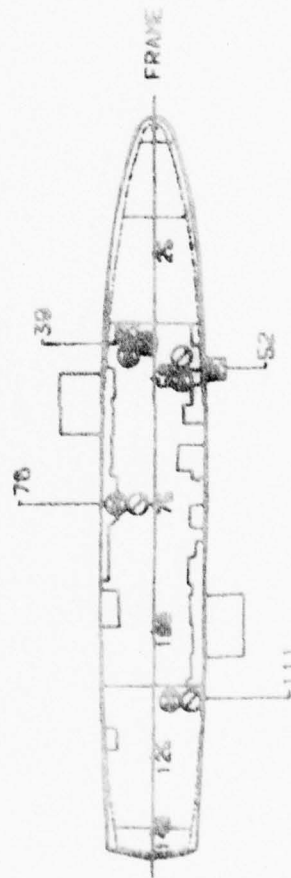
COMPRESSED AIR

LOW PRESSURE	FLT DK	HCR DK
1 SERVICE OUTLETS @ 150 PSI	7	2
REDUCED PRESSURE		
1 SERVICE OUTLETS @ 300 PSI	3	5
2 SERVICE OUTLETS @ 600 PSI	3	3
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1800 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1800 to 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE
TIRE CHANGING AIR	NONE	NONE
1 SERVICE OUTLETS @		

LPH-12 INCHON COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- LOW PRESSURE AIR, 150 PSI
- REDUCED PRESSURE AIR, 800 PSI
- REDUCED PRESSURE AIR, 300 PSI

LPH-12 USS INCHON

CATEGORY PAGE NO

1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
3	Aviation Fuel Service Summary	5
	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary	7
	Compressed Air Service Outlet Layout	8
5	Combat Readiness Station Service Summary	N/A
	Combat Readiness Station Layout	N/A
6	Oxygen and Nitrogen Service Summary	N/A
	Oxygen and Nitrogen Service Outlet Layout	N/A
7	Aircraft Inertial Alignment Outlet Box Summary	N/A
	Aircraft Inertial Alignment Outlet Box Layout	N/A
8	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK FEB 1969

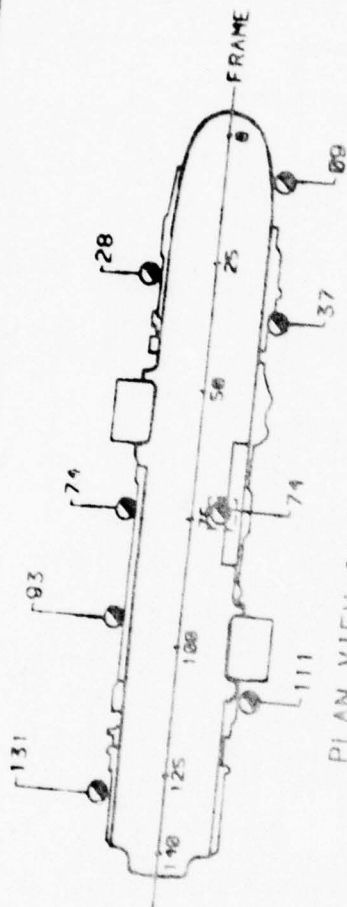
USS NEW ORLEANS

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

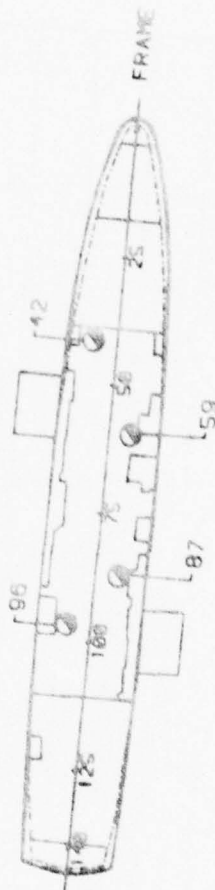
400HZ AIRCRAFT SERVICE

SERVICE OUTLETS	FLT OK	HCR OK
1 400HZ, 3PH, 115/200 VAC, 30KVA, Type I	NONE	NONE
2 400HZ, 3PH, 115/200 VAC, 30KVA, Type III	8	4
3 400HZ, 3PH, 115/200 VAC, 50KVA, Type I	NONE	NONE
4 400HZ, 3PH, 115/200 VAC, 50KVA, Type III	NONE	NONE

LPH-11 NEW ORLEANS AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ 400HZ, 3PH, 115/200VAC, 30KVA TYPE III
 □ RECESSED

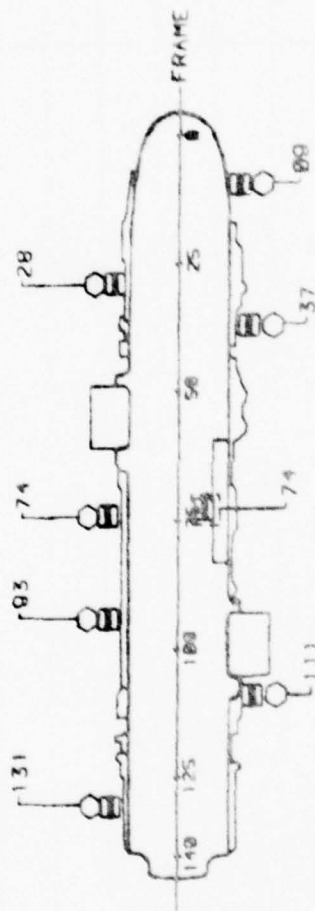
LPH-11 USS NEW ORLEANS

A/C START AND SUPPORT EQUIPMENT
ELECTRICAL SERVICE OUTLET SUMMARY

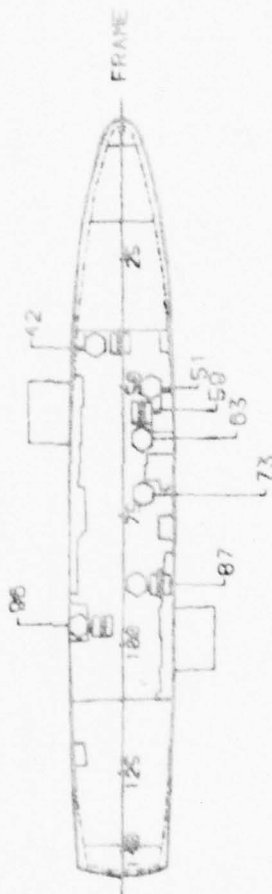
440 VAC SUPPORT EQUIPMENT SERVICE
28 5 VDC A/C SERVICE AND START

440 VAC SUPPORT EQUIPMENT SERVICE			FLT DA	HCR DR
1	440 VAC 60Hz, 3PH, 25 AMP		7	0
2	440 VAC, 60Hz, 3PH, 60 AMP		NONE	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP		NONE	NONE
28 5 VDC A/C SERVICE AND START				
1	28 5 VDC, 200 AMP Continuous		NONE	NONE
2	28 5 VDC, 300 AMP Cont, 600 to 900 A Inter		NONE	NONE
3	28 5 VDC, 600 AMP Cont, 600 to 900 A Inter		NONE	NONE
4	28 5 VDC, 300 AMP cont, 650 to 1000 A Inter		8	4
5	28 5 VDC, 650 AMP Cont, 650 to 1000 A Inter		NONE	NONE

LPH-11 NEW ORLEANS A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 ○ 440VAC, 60HZ, 3PH, 25AMP
 □ 28 VDC, 300AMP CONT 650-1000A INTER
 ◻ RECESSED

LPH-11 USS NEW ORLEANS

AVIATION FUEL SERVICE

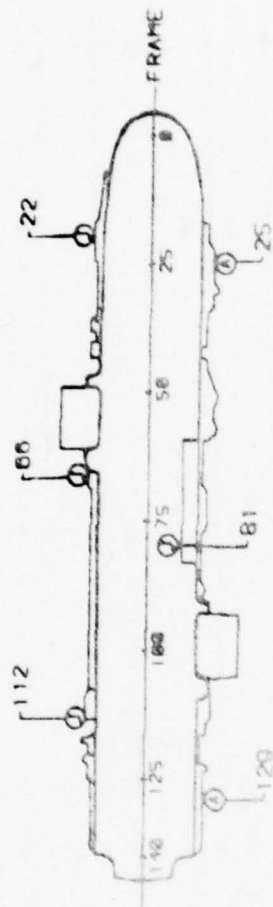
AVIATION GASOLINE AND JP-5

	AV/CAS	JP-5
1 CAPACITY GAL Q5X	23,523	425,120
2 SERVICE OUTLETS	FLT DK 2 HCR DK 1	FLT DK 4 HCR DK 2
3 HOSES PER OUTLET	1	2
4 SERVICE OUTLET CAPACITY, GPM/PSI	100/00	100/50
a TWO OUTLETS OPERATING	100/00	100/50
b FOUR OUTLETS OPERATING	N/A	100/50
c SIX OUTLETS OPERATING	N/A	100/50
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	50	50
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM	25	25

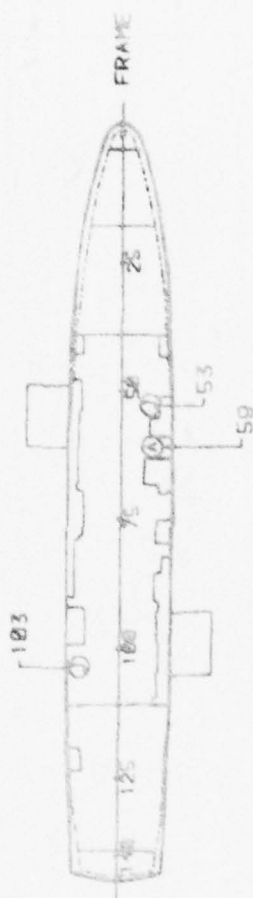
NOTES

1 1-1/4" HOSE AV/CAS, 1-1/2" HOSE JP-5

LPH-11 NEW ORLEANS AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
① AV/CAS
② JP-5

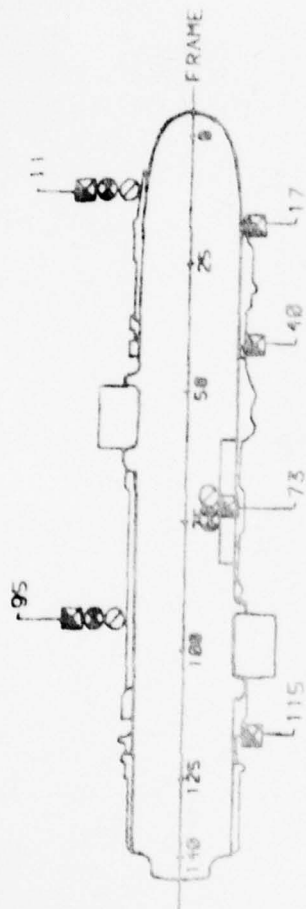
LPH-11 USS NEW ORLEANS

COMPRESSED AIR SERVICE SUMMARY

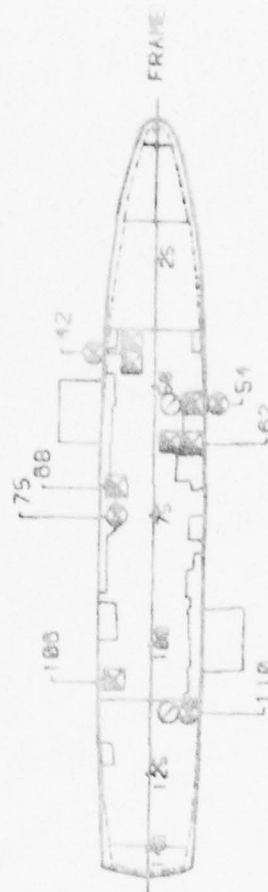
COMPRESSED AIR

LOW PRESSURE	FLT OK	HGR OK
1 SERVICE OUTLETS @ 150 PSI	6	7
REDUCED PRESSURE		
1 SERVICE OUTLETS @ 800 PSI	3	2
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1800 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1800 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE
TIRE CHANGING AIR		
1 SERVICE OUTLETS @ 300PSI	3	4

LPH-11 NEW ORLEANS COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

- LEGEND
- ◻ LOW PRESSURE AIR, 150PSI
 - REDUCED PRESSURE AIR, 800PSI
 - ⊗ REDUCED PRESSURE AIR, 300PSI

LPH-11 USS NEW ORLEANS

CATEGORY		PAGE NO
1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
3	Aviation Fuel Service Summary	5
	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary	7
	Compressed Air Service Outlet Layout	8
5	Combat Readiness Station Service Summary	N/A
	Combat Readiness Station Layout	N/A
6	Oxygen and Nitrogen Service Summary	N/A
	Oxygen and Nitrogen Service Outlet Layout	N/A
7	Aircraft Inertial Alignment Outlet Box Summary	N/A
	Aircraft Inertial Alignment Outlet Box Layout	N/A
8	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - AUGUST 1978

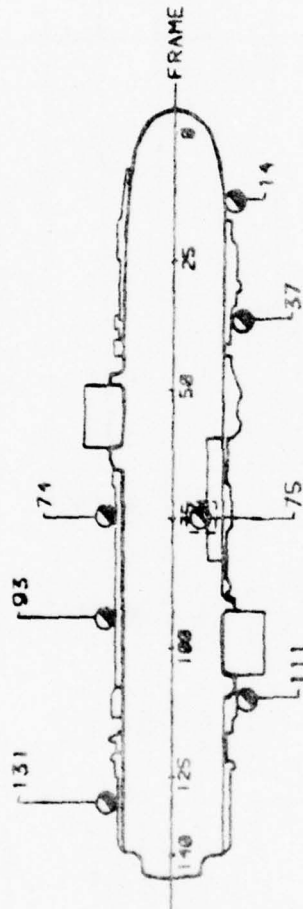
USS TRIPOLI

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

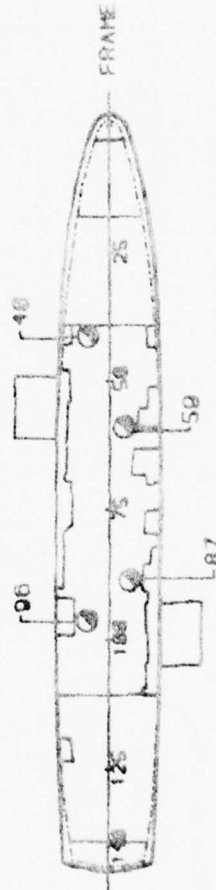
400HZ AIRCRAFT SERVICE

SERVICE OUTLETS	FLT DR	HCR DR
1 400Hz, 3PH, 115/200 VAC, 30KVA, Type I	NONE	NONE
2 400Hz, 3PH, 115/200 VAC, 30KVA, Type III	7	4
3 400Hz, 3PH, 115/200 VAC, 60KVA, Type I	NONE	NONE
4 400Hz, 3PH, 115/200 VAC, 60KVA, Type III	NONE	NONE

LPH-10 TRIPOLI AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



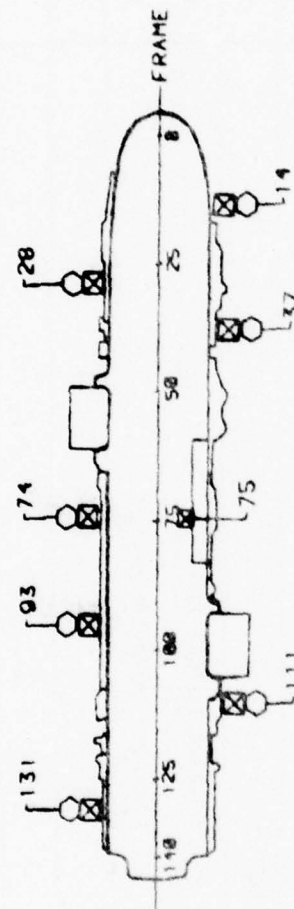
PLAN VIEW OF HANGAR DECK

LEGEND
 ● 400HZ, 3PH, 115/200VAC, 30KVA, TYPE III
 □ RECESSED

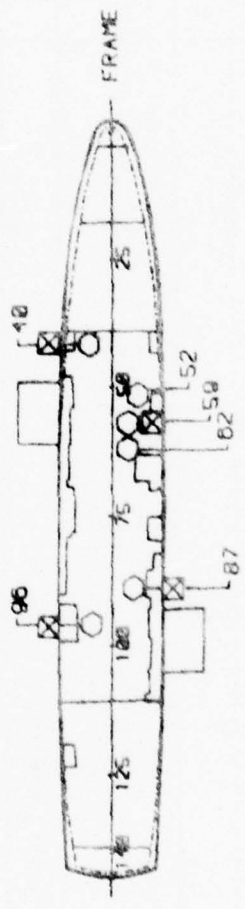
LPH-10 USS TRIPOLI

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			
1	440 VAC 60HZ, 3PH, 25 AMP	7	0
2	440 VAC, 60HZ, 3PH, 00 AMP	NONE	NONE
3	440 VAC, 60HZ, 3PH, 100 AMP	NONE	NONE
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 500 to 900 A Inter	8	4
3	28 5 VDC, 500 AMP Cont, 500 to 900 A Inter	NONE	NONE
4	28 5 VDC, 300 AMP cont, 650 to 1000 A Inter	NONE	NONE
5	28 5 VDC, 650 AMP Cont, 650 to 1000 A Inter	NONE	NONE

LPH-10 TRIPOLI A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



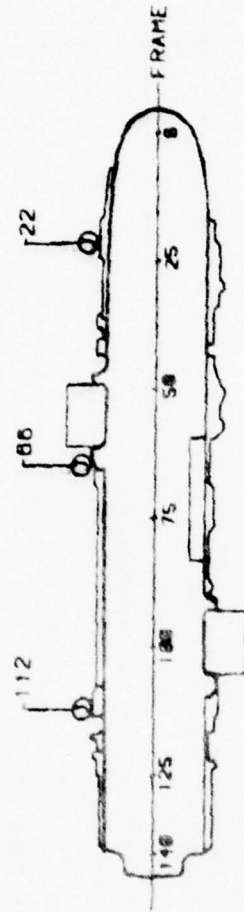
PLAN VIEW OF HANGAR DECK

LEGEND
 ○ 440VAC, 60HZ, 3PH, 25AMP
 ◻ 28 5VDC, 300AMP CONT 000-900A INTER

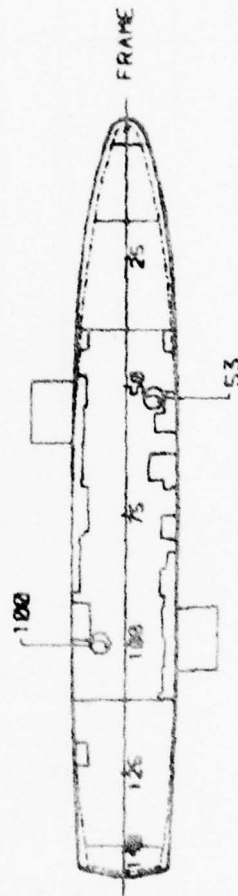
LPH-10 USS TRIPOLI

AVIATION FUEL SERVICE		
AVIATION GASOLINE AND JP-5		
	AV/GAS	JP-5
1 CAPACITY GAL 05X	NONE	378,193
2 SERVICE OUTLETS	NONE	FLT DK 3 HCR DK 2
3 HOSES PER OUTLET	NONE	2
4 SERVICE OUTLET CAPACITY, GPM/PSI	NONE	228/75
a TWO OUTLETS OPERATING	NONE	228/75
b FOUR OUTLETS OPERATING	NONE	228/75
c SIX OUTLETS OPERATING	NONE	228/75
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	NONE	58
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM/PSI	NONE	78/25

LPH-10 TRIPOLI AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
① JP-5

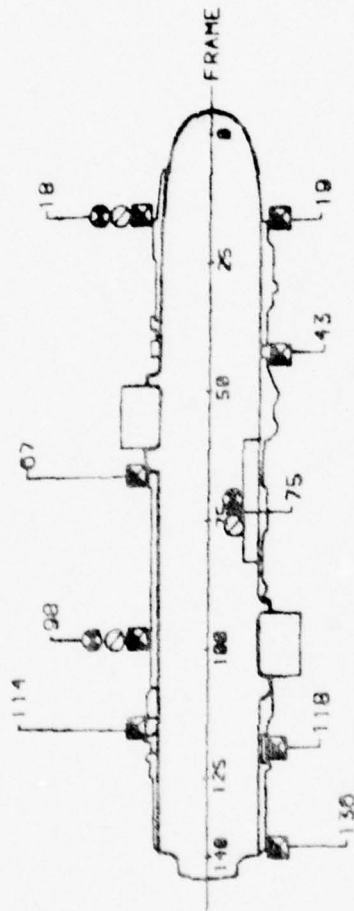
LPH-10 USS TRIPOLI

COMPRESSED AIR SERVICE SUMMARY

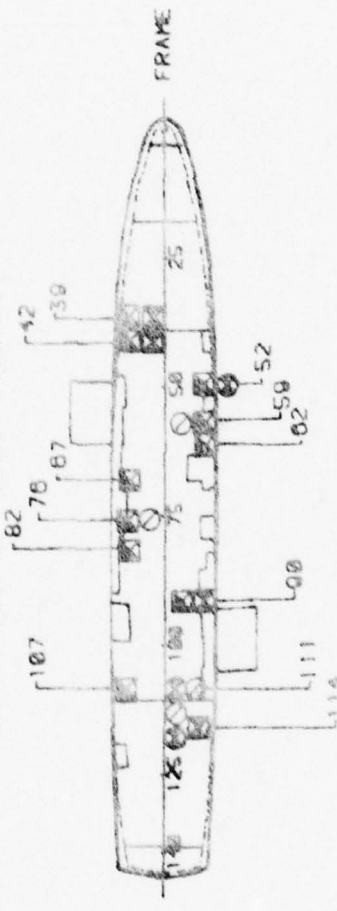
COMPRESSED AIR

LOW PRESSURE	FLT DK	HGR DK
1 SERVICE OUTLETS @ 150 PSI	0	0
REDUCED PRESSURE		
1 SERVICE OUTLETS @ 500 PSI	3	4
2 SERVICE OUTLETS @ 800 PSI	3	4
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1800 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1800 to 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	NONE	1
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

LPH-10 TRIPOLI COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- LOW PRESSURE AIR, 1500 PSI
- REDUCED PRESSURE AIR, 800 PSI
- REDUCED PRESSURE AIR, 3000 PSI
- HIGH PRESSURE AIR, 3000 PSI

LPH-10 USS TRIPOLI

PAGE NO.

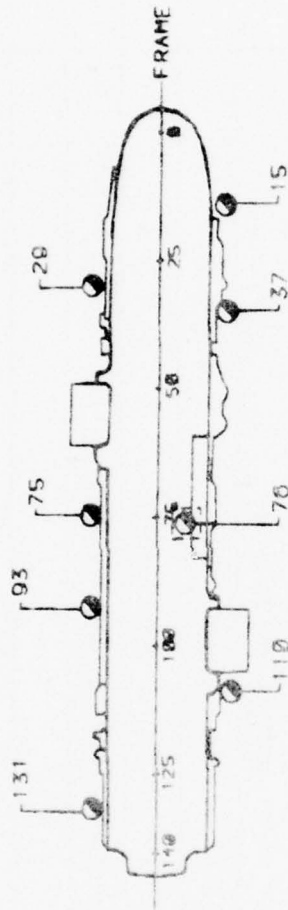
CATEGORY

1.	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28 5 VDC, 440 VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28 5 VDC, 440 VAC)	4
3	Aviation Fuel Service Summary	5
	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary	7
	Compressed Air Service Outlet Layout	8
5	Combat Readiness Station Service Summary	N/A
	Combat Readiness Station Layout	N/A
6	Oxygen and Nitrogen Service Summary	N/A
	Oxygen and Nitrogen Service Outlet Layout	N/A
7	Aircraft Inertial Alignment Outlet Box Summary	N/A
	Aircraft Inertial Alignment Outlet Box Layout	N/A
8	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

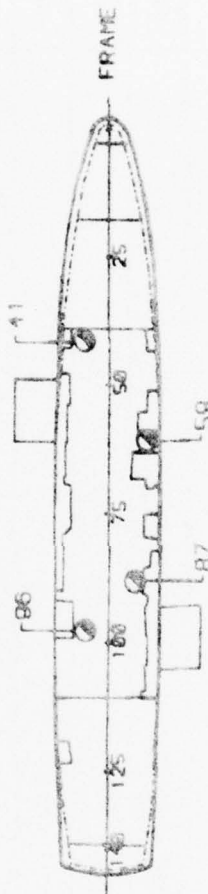
LATEST CHECK - MARCH 1972

USS GUAM

LPH-9 GUAM AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

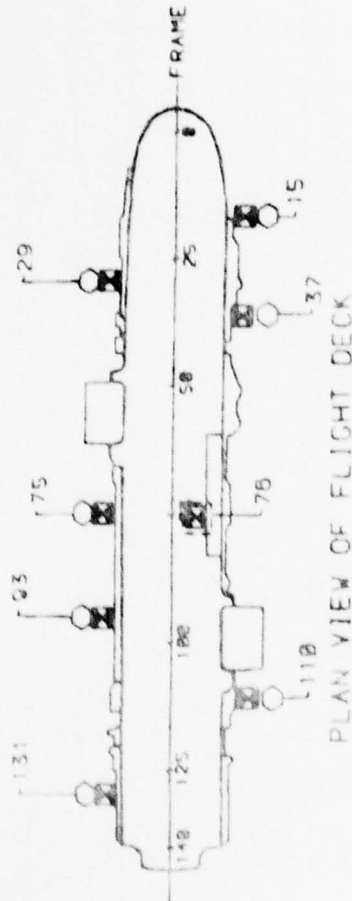
LEGEND

- 400HZ, 3PH, 115/200VAC, 30KVA, TYPE III
- RECESSED

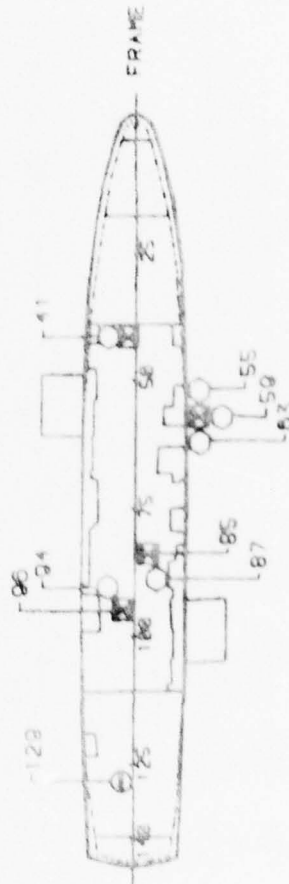
LPH-9 USS GUAM

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			
1	440 VAC, 60Hz, 3PH, 25 AMP	FLY DR	MCR DR
2	440 VAC, 60Hz, 3PH, 60 AMP	7	0
3	440 VAC, 60Hz, 3PH, 100 AMP	NONE	NONE
4	440 VAC, 60Hz, 3PH, 125 KVA	NONE	NONE
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 000 to 900 A Inter	NONE	NONE
3	28 5 VDC, 500 AMP Cont, 000 to 900 A Inter	8	4
4	28 5 VDC, 300 AMP cont, 050 to 1000 A Inter	NONE	NONE
5	28 5 VDC, 050 AMP Cont, 050 to 1000 A Inter	NONE	NONE

LPH-9 GUAM A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- 440VAC, 60HZ, 3PH, 25AMP
- 440VAC, 60HZ, 3PH, 25AMP
- UTILITY VAN SERVICE, 440VAC, 3PH, 60HZ, 125KVA
- 28.5 VDC, 600 AMP CONT 600-922A INTER
- RECESSED

LPH-9 USS GUAM

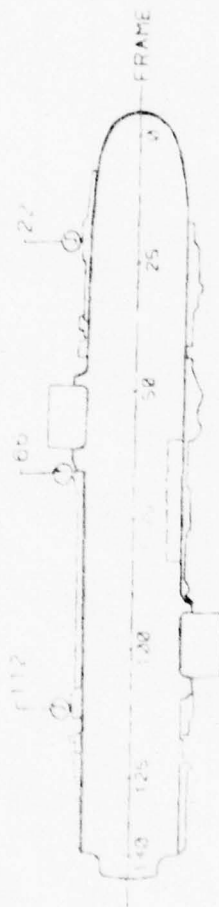
AVIATION FUEL SERVICE

AVIATION GASOLINE AND JP-5

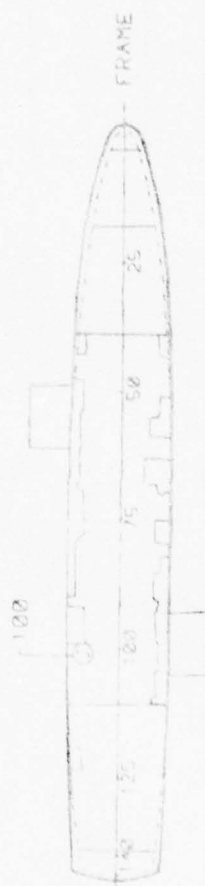
	AV/GAS	JP-5
1 CAPACITY GAL Q52	NONE	289,000
2 SERVICE OUTLETS	NONE	FLT OR 3 HCR OR 1
3 HOSES PER OUTLET	NOTE 1	2
4 SERVICE OUTLET CAPACITY, GPM/PSI		100/40
5 TWO OUTLETS OPERATING		100/40
6 FOUR OUTLETS OPERATING		100/40
7 SIX OUTLETS OPERATING		N/A
8 DEFUELING CAPACITY PER SERVICE OUTLET GPM		50
9 DEFUELING CAPACITY PER PORTABLE PUMP GPM		25

NOTES
1 FLT OR STATIONS HAVE ONE 1 1/2" HOSE AND ONE 2 1/2" HOSE
HCR OR STATIONS HAVE TWO 1 1/2" HOSE

LPH-9 GUAM AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
 Ø JP-5

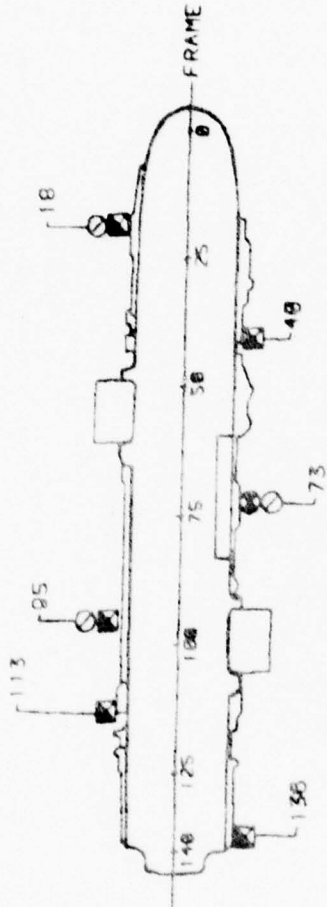
LPH-9 USS GUAM

COMPRESSED AIR SERVICE SUMMARY

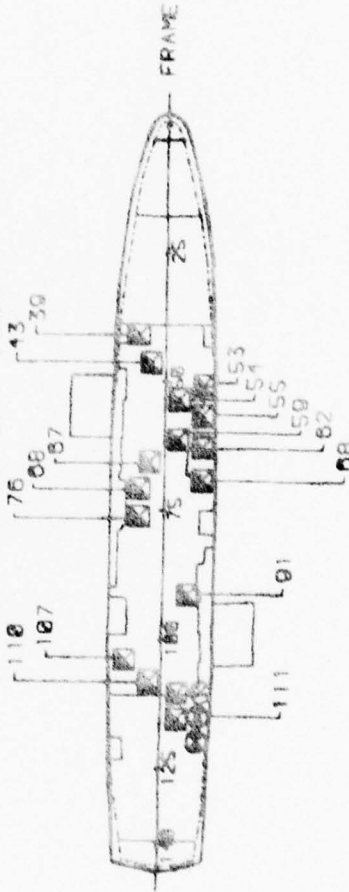
COMPRESSED AIR

LOW PRESSURE	FLT DK	HGR DK
1 SERVICE OUTLETS @ 150 PSI	5	10
REDUCED PRESSURE		
1 SERVICE OUTLETS @ 300 PSI	1	2
2 SERVICE OUTLETS @ 800 PSI	3	1
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1800 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1800 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

LPH-9 GUAM COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- LOW PRESSURE AIR, 150 PSI
- REDUCED PRESSURE AIR, 800 PSI
- REDUCED PRESSURE AIR, 300 PSI

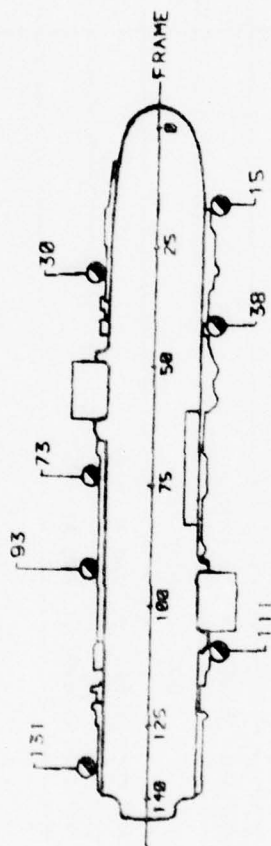
LPH-9 USS GUAM

CATEGORY	PAGE NO.
1 Aircraft Electrical Service Outlet Summary (400 Hz)	1
Aircraft Electrical Service Outlet Layout (400 Hz)	2
2 Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
3 Aviation Fuel Service Summary	5
Aviation Fuel Service Outlet Layout	6
4 Compressed Air Service Summary	7
Compressed Air Service Outlet Layout	8
5 Combat Readiness Station Service Summary	N/A
Combat Readiness Station Layout	N/A
6 Oxygen and Nitrogen Service Summary	N/A
Oxygen and Nitrogen Service Outlet Layout	N/A
7 Aircraft Inertial Alignment Outlet Box Summary	N/A
Aircraft Inertial Alignment Outlet Box Layout	N/A
8 Aircraft Cooling and Starting Air Outlet Summary	N/A
Aircraft Cooling and Starting Air Outlet Layout	N/A

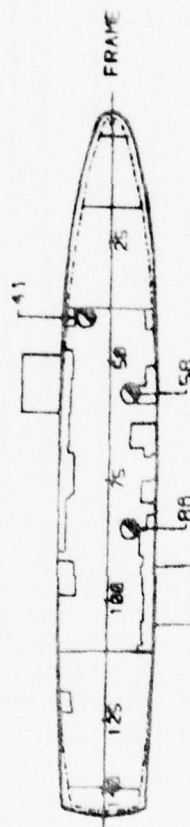
USS GUADALCANAL

LATEST CHECK - AUGUST 1975

LPH-7 GUADALCANAL AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

● 400HZ, 3PH, 115/200VAC, 30KVA TYPE III

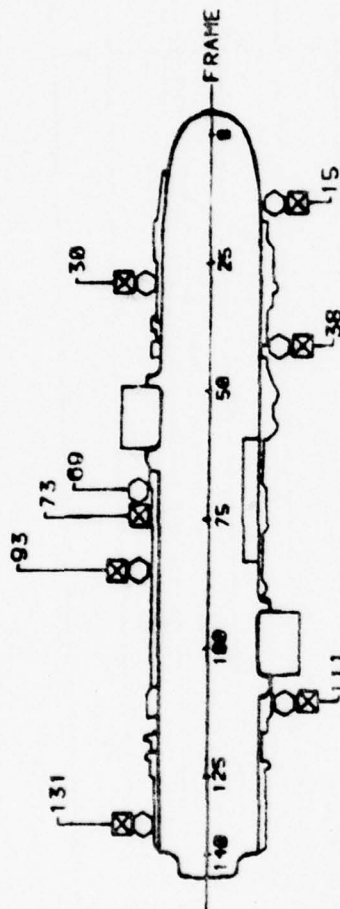
LPH-7 USS GUADALCANAL

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY

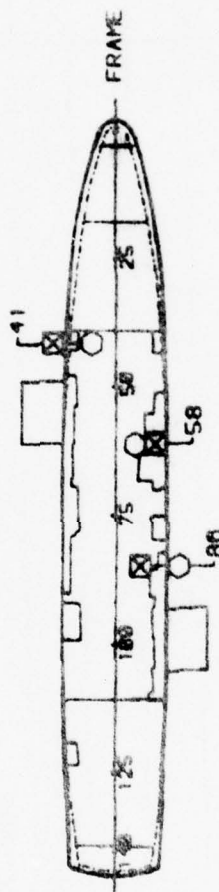
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START

440 VAC SUPPORT EQUIPMENT SERVICE		FLT DK	HCR DK
1	440 VAC 60Hz, 3PH, 25 AMP	7	3
2	440 VAC, 60Hz, 3PH, 80 AMP	NONE	NONE
3	440 VAC, 60Hz, 3PH, 100 AMP	NONE	NONE
28 5 VDC A/C SERVICE AND START			
1	28 5 VDC, 200 AMP Continuous	NONE	NONE
2	28 5 VDC, 300 AMP Cont, 000 to 900 A Inter	7	3
3	28 5 VDC, 800 AMP Cont, 000 to 900 A Inter	NONE	NONE
4	28 5 VDC, 300 AMP cont, 050 to 1000 A Inter	NONE	NONE
5	28 5 VDC, 850 AMP Cont, 050 to 1000 A Inter	NONE	NONE

PH-7 GUADALCANAL A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

○ 440VAC, 60HZ, 3PH, 25AMP

⊗ 28 SVDC, 300AMP CONT, 600-800A INTER

LPH-7 USS GUADALCANAL

AVIATION FUEL SERVICE

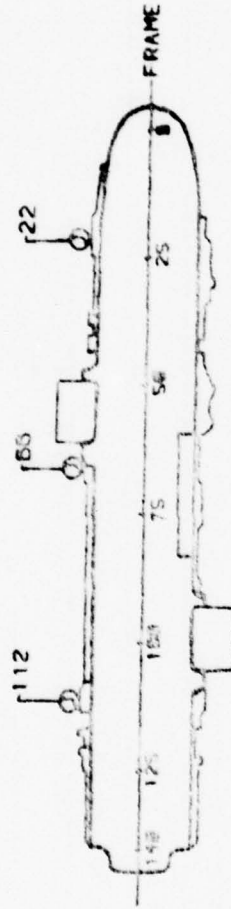
AVIATION GASOLINE AND JP-5

	AV/CAS	JP-5
1 CAPACITY GAL Q5X	NONE	280,000
2 SERVICE OUTLETS		FLT DK 3 MCR DK 1
3 HOSES PER OUTLET		2
4 SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 1	100/45
a TWO OUTLETS OPERATING		100/45
b FOUR OUTLETS OPERATING		100/45
c SIX OUTLETS OPERATING		100/45
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM		50
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM		25

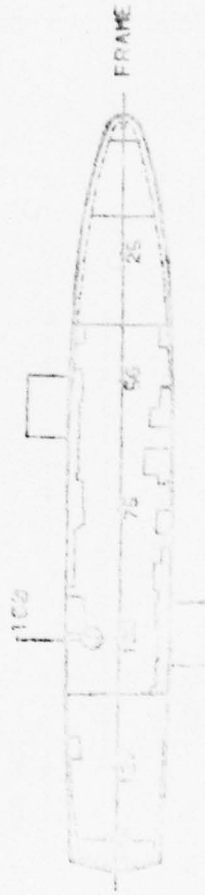
NOTES:

- 1 1-1/2" HOSE JP-5

LPH-7 GUADALCANAL AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
Q JP-5

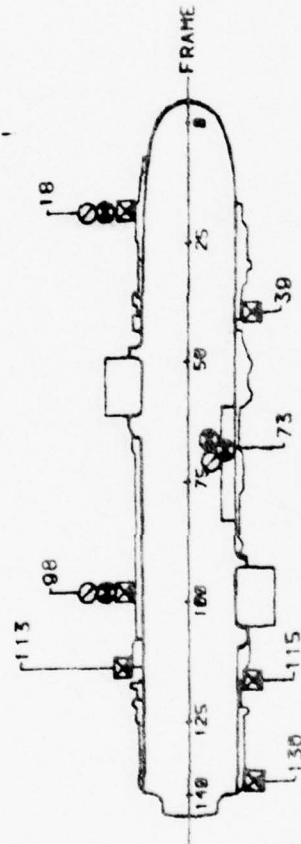
LPH-7 USS GUADALCANAL

COMPRESSED AIR SERVICE SUMMARY

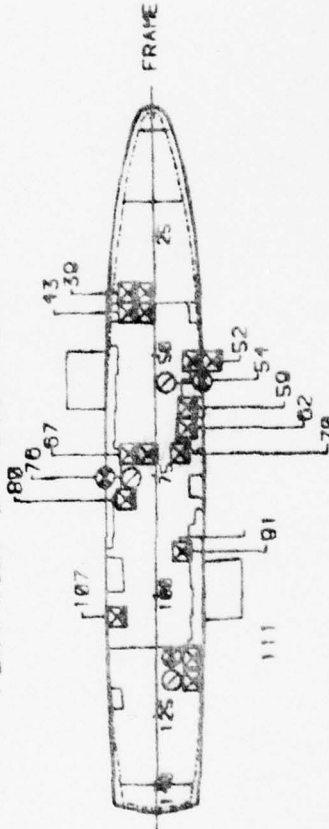
COMPRESSED AIR

LOW PRESSURE	FLT DK	HGR DK
1 SERVICE OUTLETS @ 100 - 150 PSI	6	10
REDUCED PRESSURE		
1 SERVICE OUTLETS @ 800 PSI	3	3
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1800 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1800 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE
TIRE CHANGING AIR		
1 SERVICE OUTLETS @ 300 PSI	4	3

LPH-7 GUADALCANAL COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- ☒ LOW PRESSURE AIR, 100 - 150 PSI
- REDUCED PRESSURE AIR, 800 PSI
- REDUCED PRESSURE AIR, 300 PSI

LPH-7 USS GUADALCANAL

CATEGORY

PAGE NO.

1. Aircraft Electrical Service Outlet Summary (400 Hz)	1
Aircraft Electrical Service Outlet Layout (400 Hz)	2
2. Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
3. Aviation Fuel Service Summary	5
Aviation Fuel Service Outlet Layout	6
4. Compressed Air Service Summary	7
Compressed Air Service Outlet Layout	8
5. Combat Readiness Station Service Summary	N/A
Combat Readiness Station Layout	N/A
6. Oxygen and Nitrogen Service Summary	N/A
Oxygen and Nitrogen Service Outlet Layout	N/A
7. Aircraft Inertial Alignment Outlet Box Summary	N/A
Aircraft Inertial Alignment Outlet Box Layout	N/A
8. Aircraft Cooling and Starting Air Outlet Summary	N/A
Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - AUGUST 1978

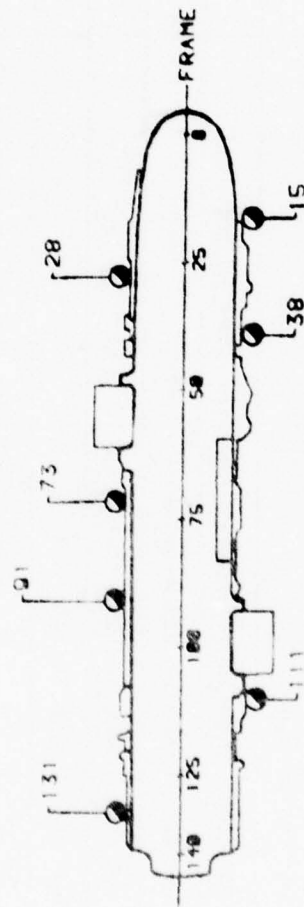
USS ORINAWA

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

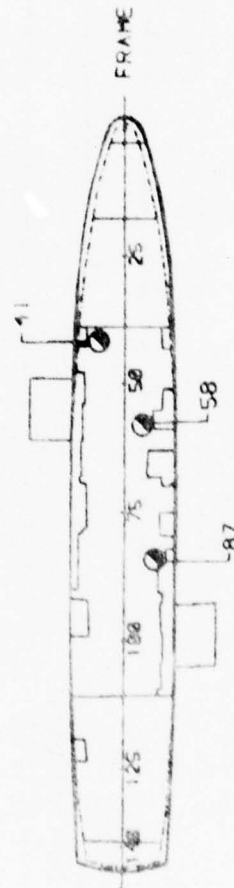
400HZ AIRCRAFT SERVICE

[illegible]

LPH-3 OKINAWA AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400HZ)



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

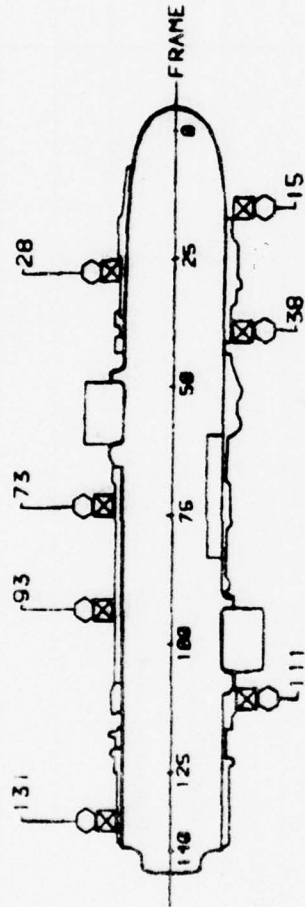
LEGEND

● 400HZ, 3PH, 115/200VAC, 30KVA, TYPE III

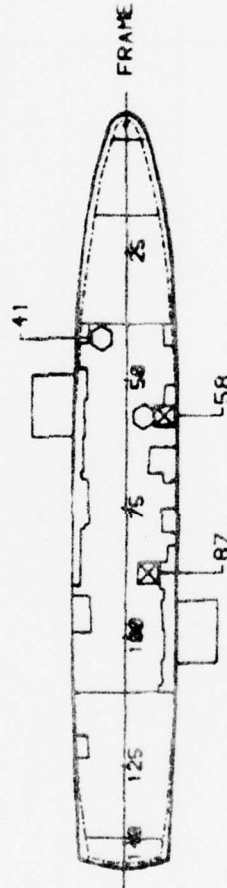
LPH-3 USS OKINAWA

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY				
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START				
440 VAC SUPPORT EQUIPMENT SERVICE				
		FLT DK	HCR DK	
1	440 VAC 60HZ, 3PH, 25 AMP	7	2	
2	440 VAC, 60HZ, 3PH, 60 AMP	NONE	NONE	
3	440 VAC, 60HZ, 3PH, 100 AMP	NONE	NONE	
28 5 VDC A/C SERVICE AND START				
1	28 5 VDC, 200 AMP Continuous	NONE	NONE	
2	28 5 VDC, 300 AMP Cont, 000 to 000 A Inter	7	2	
3	28 5 VDC, 600 AMP Cont, 000 to 000 A Inter	NONE	NONE	
4	28 5 VDC, 300 AMP cont, 050 to 1000 A Inter	NONE	NONE	
5	28 5 VDC, 050 AMP Cont, 050 to 1000 A Inter	NONE	NONE	

LPH-3 OKINAWA A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- 140VAC, 60HZ, 3PH, 25AMP
- ⊗ 28 VDC, 300AMP CONT 600-800A INTER

LPH-3 USS OKINAWA

AVIATION FUEL SERVICE

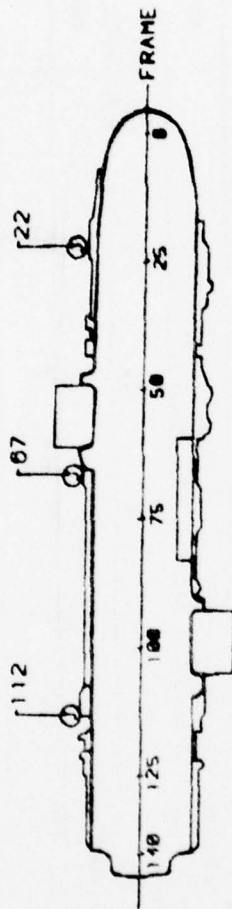
AVIATION GASOLINE AND JP-5

	AV/GAS	JP-5
1 CAPACITY GAL QSR	NONE	200,000
2 SERVICE OUTLETS	NONE	FLT DK 3 HGR DK 1
3 HOSES PER OUTLET	NONE	2
4 SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 1	200/45
a TWO OUTLETS OPERATING	NONE	200/45
b FOUR OUTLETS OPERATING	NONE	200/45
c SIX OUTLETS OPERATING	NONE	N/A
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	NONE	30
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM	NONE	N/A

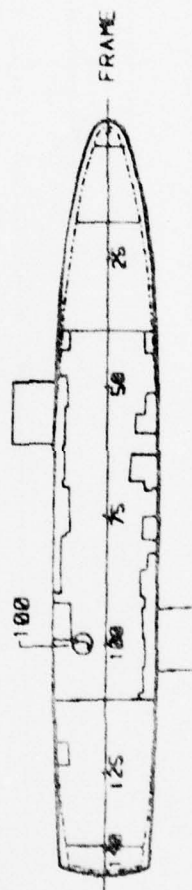
NOTES

1 1-1/2" HOSE JP-5

LPH-3 OKINAWA AVIATION FUEL OUTLET SERVICE LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
① JP-5

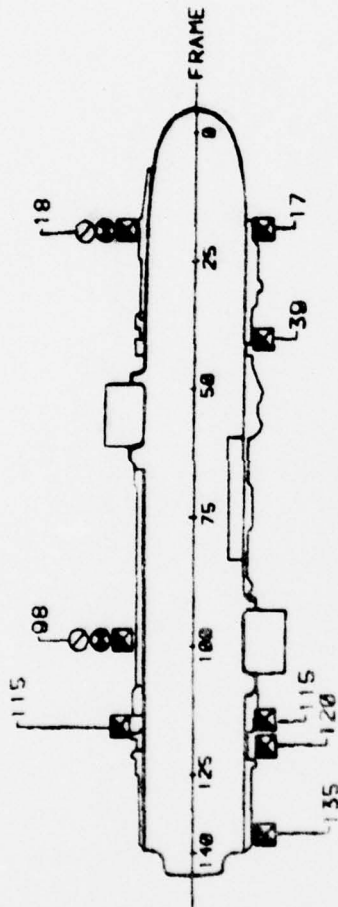
LPH-3 USS OKINAWA

COMPRESSED AIR SERVICE SUMMARY

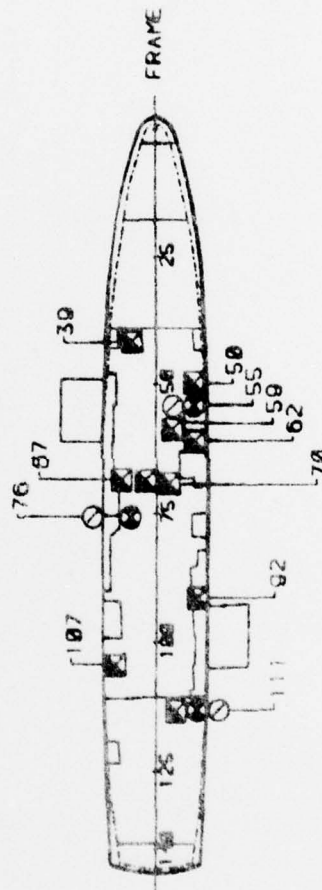
COMPRESSED AIR

LOW PRESSURE	FLT DK	HCR DK
1 SERVICE OUTLETS @ 150 PSI	8	10
REDUCED PRESSURE		
1 SERVICE OUTLETS @ 800 PSI	2	3
SERVICE OUTLETS @ 300 PSI	2	3
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1800 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1800 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

LPH-3 OKINAWA COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- LOW PRESSURE AIR, 150 PSI
- REDUCED PRESSURE AIR, 800 PSI
- REDUCED PRESSURE AIR, 300 PSI

LPH-3 USS OKINAWA

<u>CATEGORY</u>		<u>PAGE NO</u>
1	Aircraft Electrical Service Outlet Summary (400 Hz)	1
	Aircraft Electrical Service Outlet Layout (400 Hz)	2
2	Aircraft Electrical and Support Equipment Service Outlet Summary (28.5 VDC, 440 VAC)	3
	Aircraft Electrical and Support Equipment Service Outlet Layout (28.5 VDC, 440 VAC)	4
3	Aviation Fuel Service Summary	5
	Aviation Fuel Service Outlet Layout	6
4	Compressed Air Service Summary	7
	Compressed Air Service Outlet Layout	8
5	Combat Readiness Station Service Summary	N/A
	Combat Readiness Station Layout	N/A
6	Oxygen and Nitrogen Service Summary	N/A
	Oxygen and Nitrogen Service Outlet Layout	N/A
7	Aircraft Inertial Alignment Outlet Box Summary	N/A
	Aircraft Inertial Alignment Outlet Box Layout	N/A
8	Aircraft Cooling and Starting Air Outlet Summary	N/A
	Aircraft Cooling and Starting Air Outlet Layout	N/A

LATEST CHECK - MAY 1972

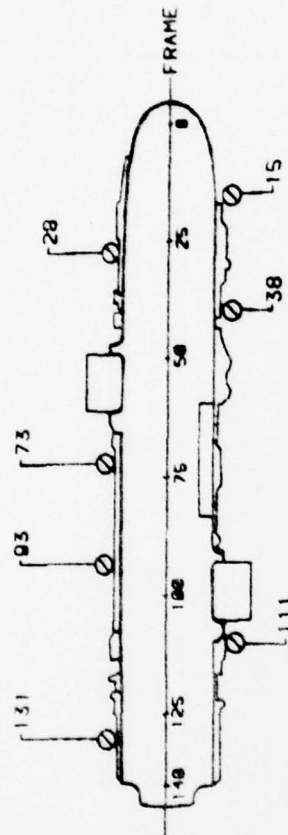
USS IWO JIMA

AIRCRAFT ELECTRICAL SERVICE OUTLET SUMMARY

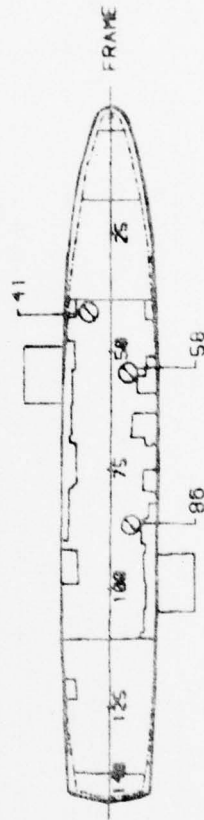
400HZ AIRCRAFT SERVICE

SERVICE OUTLETS	FLY DK	HGR DK
1 400Hz, 3PH, 115/200 VAC, 2.0KVA, Type I	7	3
2 400Hz, 3PH, 115/200 VAC, 3.0KVA, Type III	NONE	NONE
3 400Hz, 3PH, 115/200 VAC, 6.0KVA, Type I	NONE	NONE
4 400Hz, 3PH, 115/200 VAC, 6.0KVA, Type III	NONE	NONE

LPH-2 IWO JIMA AIRCRAFT ELECTRICAL SERVICE OUTLET LAYOUT (400-HZ)



PLAN VIEW OF FLIGHT DECK



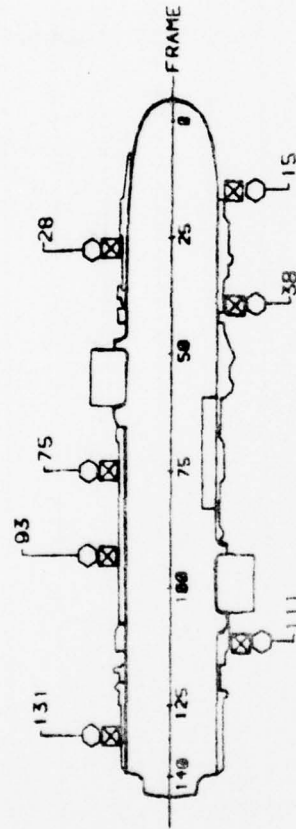
PLAN VIEW OF HANGAR DECK

LEGEND
Ø 400-HZ, 3PH, 115/200VAC, 30KVA, TYPE I

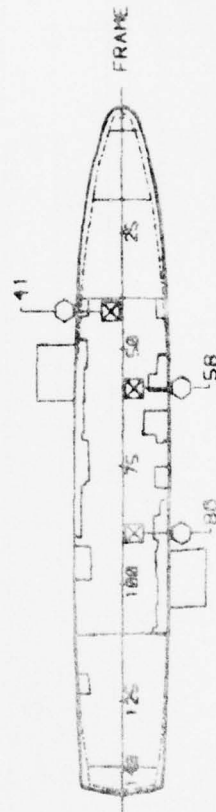
LPH-2 IWO JIMA

A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET SUMMARY			
440 VAC SUPPORT EQUIPMENT SERVICE 28 5 VDC A/C SERVICE AND START			
440 VAC SUPPORT EQUIPMENT SERVICE			
1 440 VAC 60Hz, 3PH, 25 AMP	7	3	
2 440 VAC, 60Hz, 3PH, 60 AMP	NONE	NONE	
3 440 VAC, 60Hz, 3PH, 120 AMP	NONE	NONE	
28 5 VDC A/C SERVICE AND START			
1 28 5 VDC, 200 AMP Continuous	NONE	NONE	
2 28 5 VDC, 320 AMP Cont, 500 to 900 A Inter	7	3	
3 28 5 VDC, 520 AMP Cont, 600 to 900 A Inter	NONE	NONE	
4 28 5 VDC, 300 AMP cont, 550 to 1000 A Inter	NONE	NONE	
5 28 5 VDC, 550 AMP Cont, 650 to 1000 A Inter	NONE	NONE	

LPH-2 IWO JIMA A/C START AND SUPPORT EQUIPMENT ELECTRICAL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

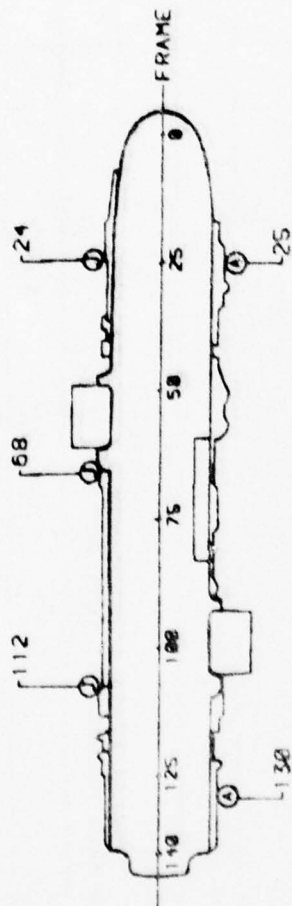
○ 440VAC, 60HZ, 3PH, 25AMP

⊠ 26 5VDC, 3000AMP CONT 600-9000A INTER

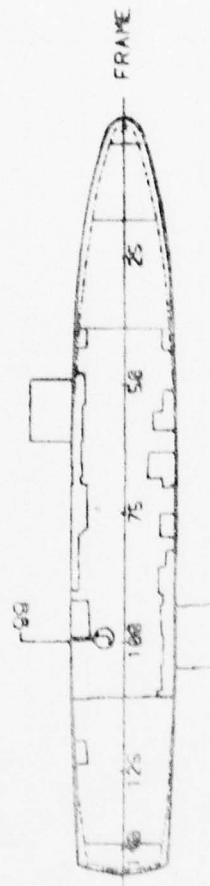
LPH-2 USS IWO JIMA

AVIATION FUEL SERVICE			
AVIATION GASOLINE AND JP-5			
	AV/GAS	JP-5	
1 CAPACITY GAL 95*	280 ,412	200 ,835	
2 SERVICE OUTLETS	FLT DK 2 HCR DK 0	FLT DK 3 HCR DK 1	
3 HOSES PER OUTLET	2	2	
4 SERVICE OUTLET CAPACITY, GPM/PSI	NOTE 1	100/35	100/35
a TWO OUTLETS OPERATING		100/35	100/35
b FOUR OUTLETS OPERATING		100/35	100/35
c SIX OUTLETS OPERATING	N/A	100/35	100/35
5 DEFUELING CAPACITY PER SERVICE OUTLET GPM	50	50	
6 DEFUELING CAPACITY PER PORTABLE PUMP GPM	25	25	
NOTES			
1 1 1/2" HOSE AV/GAS, 2 1/2" HOSE JP-5 EXCEPT FR 24 FLT DK & FR 90 HCR DK - 1 1/2" HOSE JP-5			

LPH-2 IWO JIMA AVIATION FUEL SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND
① AV/GAS
② JP-5

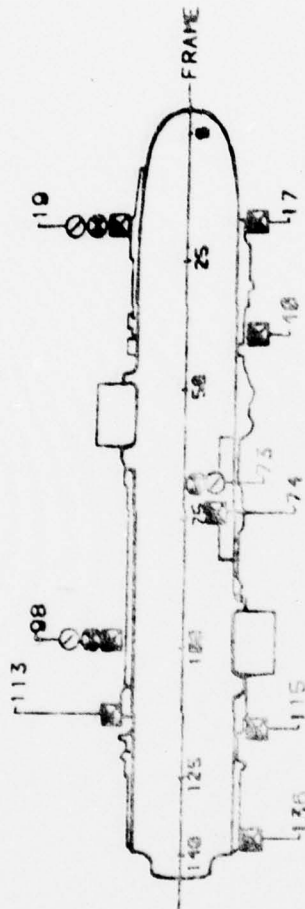
LPH-2 IWO JIMA

COMPRESSED AIR SERVICE SUMMARY

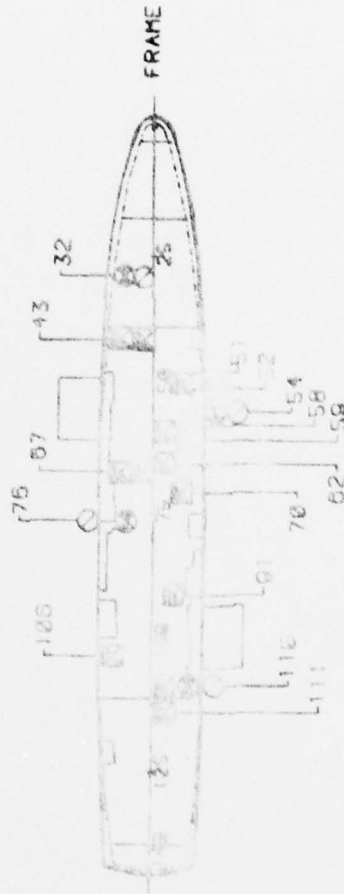
COMPRESSED AIR

LOW PRESSURE	FLT DK	HGR DK
1 SERVICE OUTLETS @ 150 PSI	8	14
REDUCED PRESSURE		
1 SERVICE OUTLETS @ 300 PSI	3	4
2 SERVICE OUTLETS @ 800 PSI	3	4
MEDIUM PRESSURE		
1 SERVICE OUTLETS @ 1800 PSI	NONE	NONE
MEDIUM TO HIGH PRESSURE		
1 SERVICE OUTLETS @ 1800 TO 3000 PSI (VARIABLE)	NONE	NONE
HIGH PRESSURE		
1 SERVICE OUTLETS @ 3000 PSI	NONE	NONE
TIRE CHANGING AIR		
1 SERVICE OUTLETS @	NONE	NONE

LPH-2 IWO JIMA COMPRESSED AIR SERVICE OUTLET LAYOUT



PLAN VIEW OF FLIGHT DECK



PLAN VIEW OF HANGAR DECK

LEGEND

- LOW PRESSURE AIR, 150PSI
- REDUCED PRESSURE AIR, 800PSI
- REDUCED PRESSURE AIR, 300PSI

LPH-2 USS IWO JIMA

See previous Shipment Notice.

REVISION LIST

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